



## Data representation

### Key Vocabulary

Axe	المحور
Bar graph	التمثيل البياني بالأعمدة
Centimeter	سنتيمتر
Check list	قائمة التحقق
Estimate	تقدير
Evaluation	التقييم
Greater than	أكبر من
Head	رأس
Horizontal	أفقي
Increasing	الزيادة
Items	العناصر
Key	المفتاح
Length	الطول
Line	الخط
Measure	المقياس

Metre	متر
Millimeter	المليمتر
Number line	خط الأعداد
Number pattern	نمط الأعداد
Number plots	مخطط التمثيل بالنقاط
Numerical data	البيانات العددية
Pattern	النمط
Pictograph - Picture graph	التمثيل البياني بالصور
Persistence	المثابرة
Reference marks	العلامة المرجعية
Repeating	التكرار
Smaller than	أصغر من
Statistical signs	علامات الإحصاء
Table	الجدول
Visual pattern	النمط البصري

### Content

Bakkar  
Self-Check

Bakkar  
Exercise  
on lessons

Exercise  
inspired from  
Math Journal

Exercise  
inspired from  
Discover



## Lesson

(1, 2)

## The pattern - bar graph

Activity

1

Notice the pattern :

a



Hint

Replay the pattern



b



Hint

The increasing of shapes in each pattern.

Exercise

1

Notice and complete the pattern :

a



b



c

10 , 20 , 30 , , ,

d

2 , 4 , 6 , , ,

e

5 , 10 , 15 , , ,

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## Activities from Math Journal

Activity

\*

Notice the pattern then complete :





## Chapter 1

Exercise

2

Predict the number of oranges in the last figure :



1



2



3



The number

Hint

Add 1 orange each pattern

Exercise

3

Predict the number of bells in the last figure :



1



3



5



The number

Hint

Add 2 bells each figure.

Exercise

4

Complete the fourth :

Math Journal



The number 4



9



16



The number

Hint

Add Row has 2 counters more than the base row :

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27



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Data representation

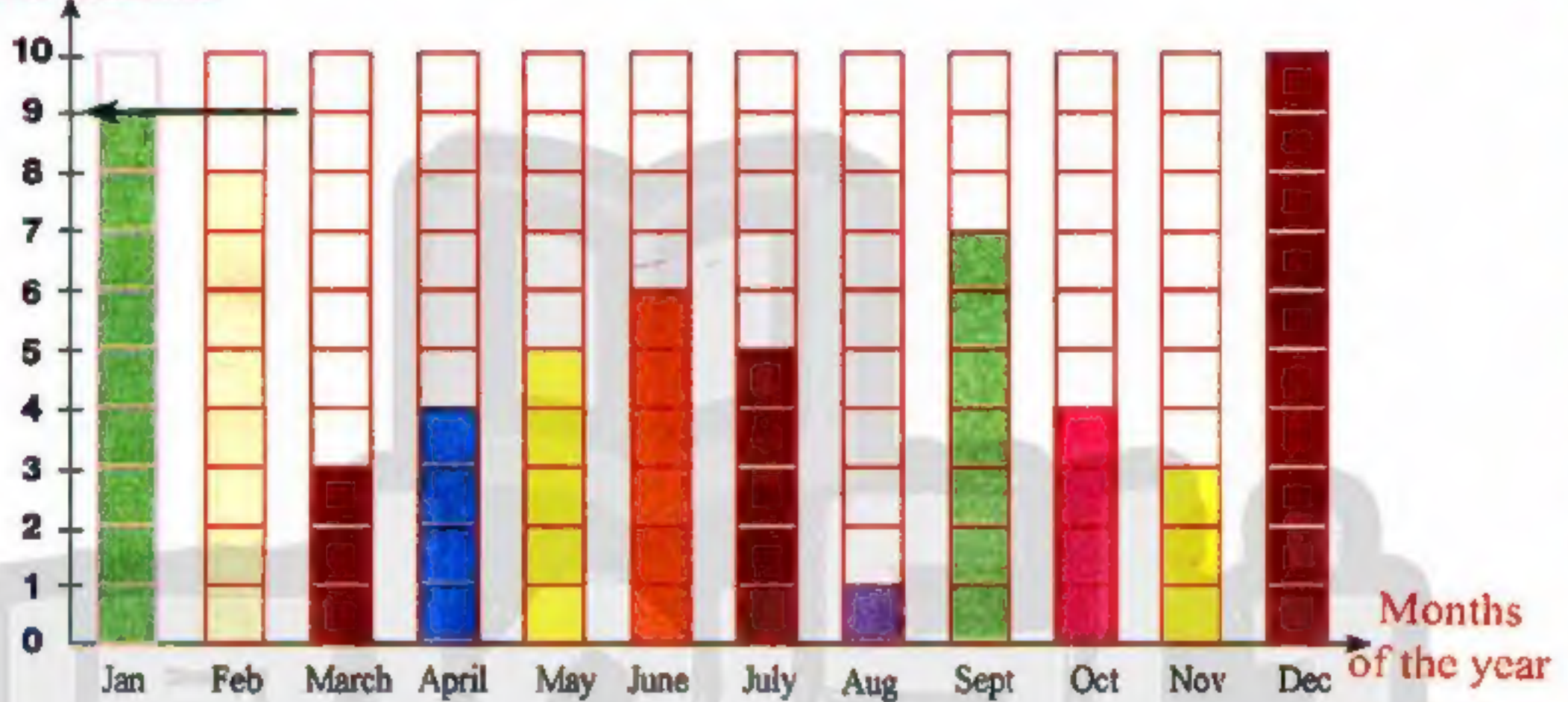
Make a bar graph

Activity

2

By asking some pupils about their birthdays and write the number of each month then represent it by bar graph :

Number of students



- a) Number of student whose birthday in march = .....
- b) The month which has the most number of births = .....

Exercise

5

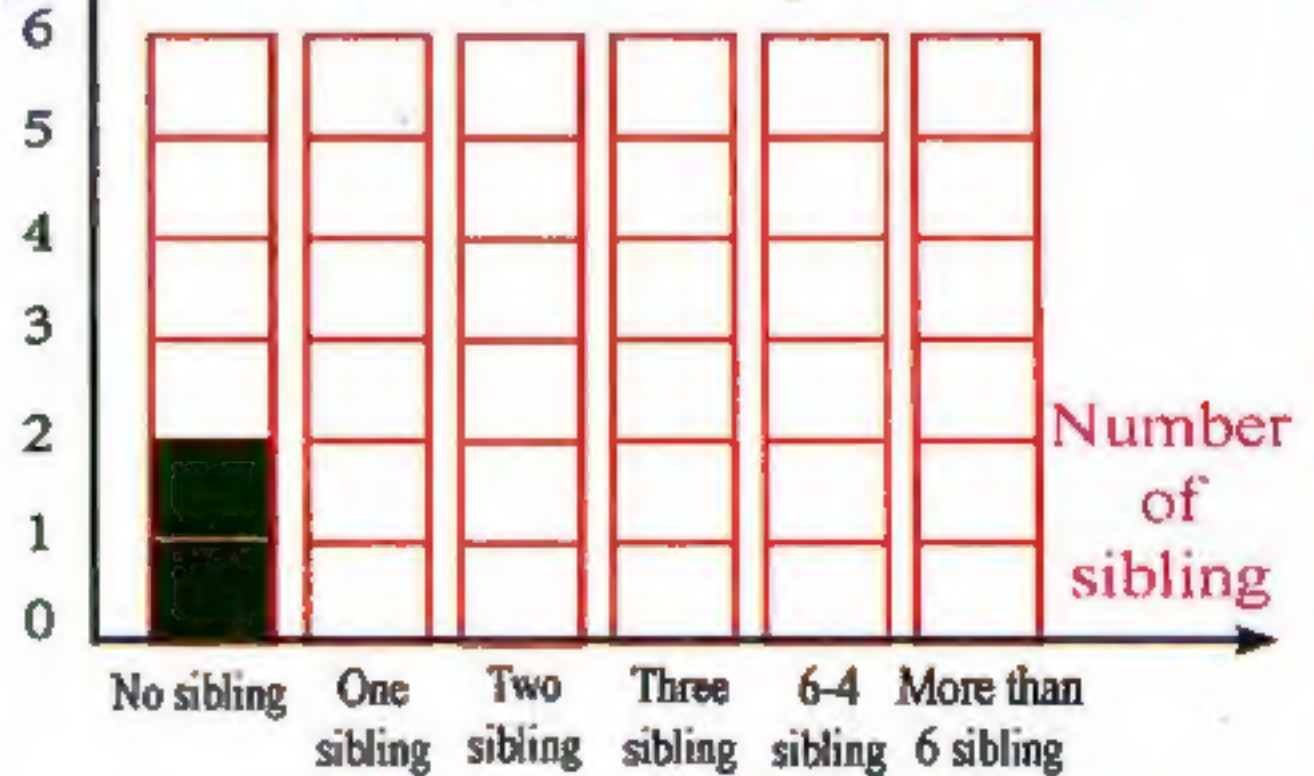
By asking some pupils about their siblings and write it at the table complete the bar graph :

Math Journal

Number of sibling	Number of pupils
No sibling	2
One sibling	4
Two sibling	3
Three sibling	5
sibling 6-4	3
More than 6 sibling	1

Number of pupils

One pupil = /



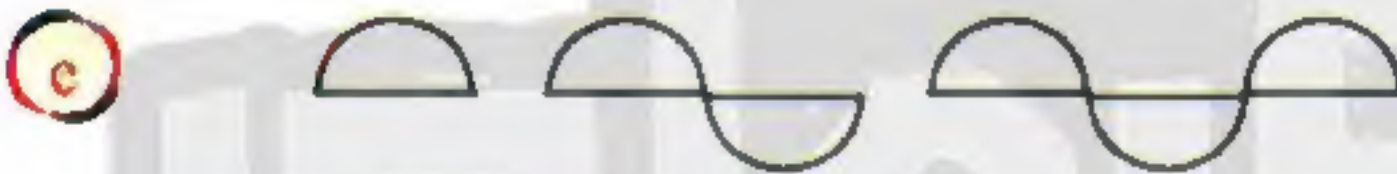
28

Primary 3 - Term 1

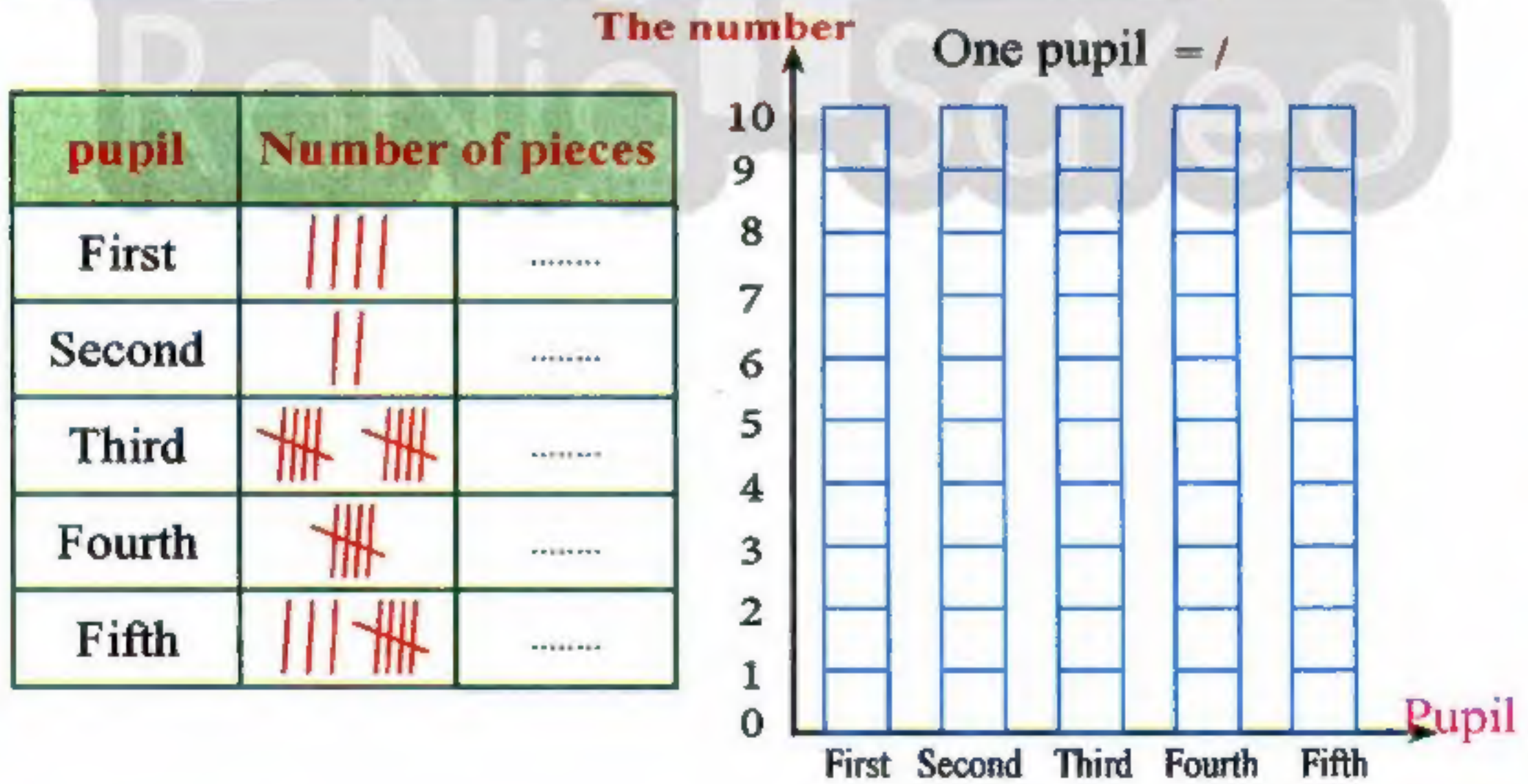


## Self - check on lesson (1, 2)

1 Notice the pattern and complete :



2 Complete the table and colour the bar graph :



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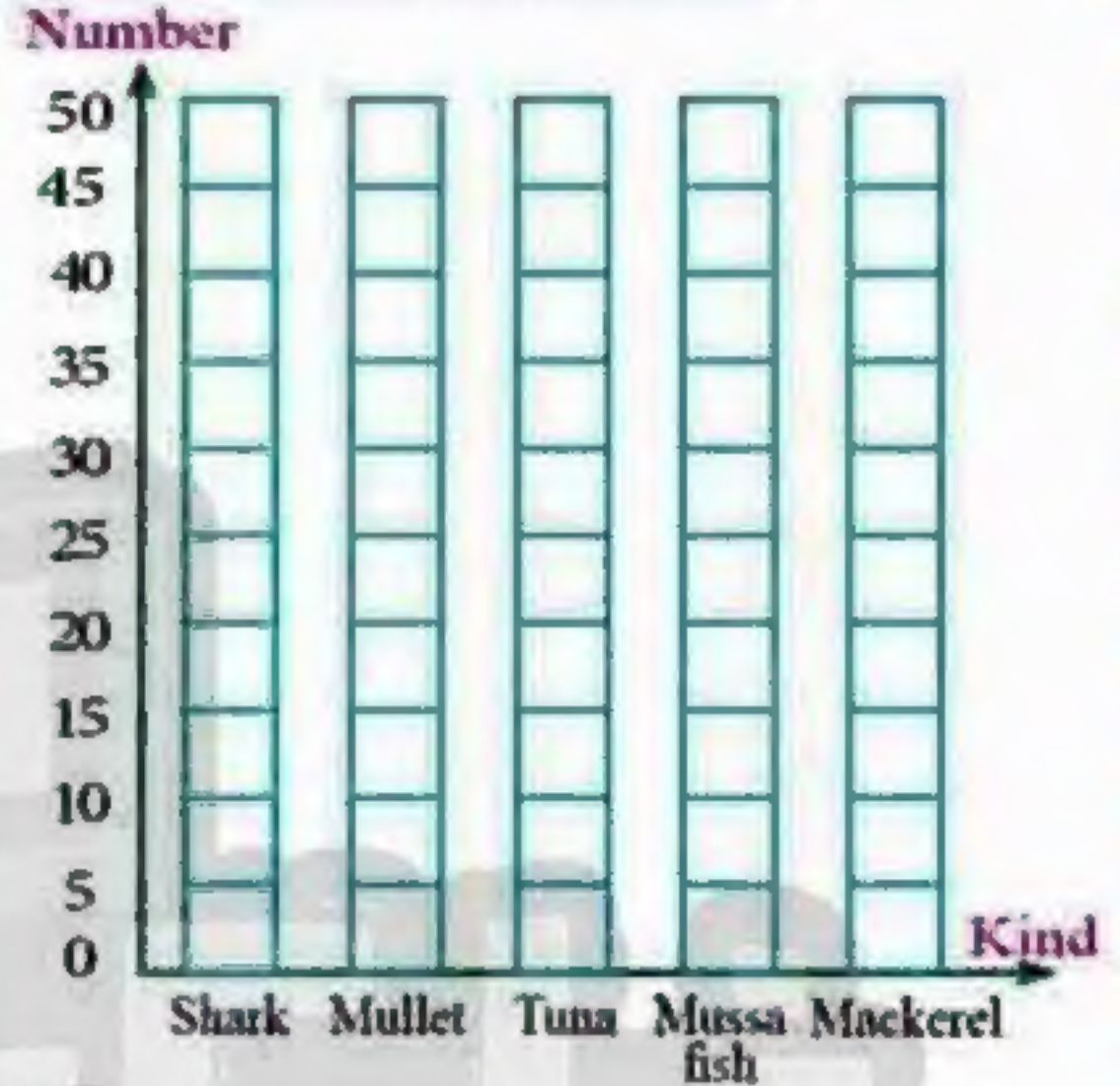
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Data representation

3

The following table shows the numbers of some types of fish in a restaurant, draw the bar graph :

Kind of fish	Number of fish	
Shark		.....
Mullet		.....
Tuna		.....
Mussa fish		.....
Mackerel		.....

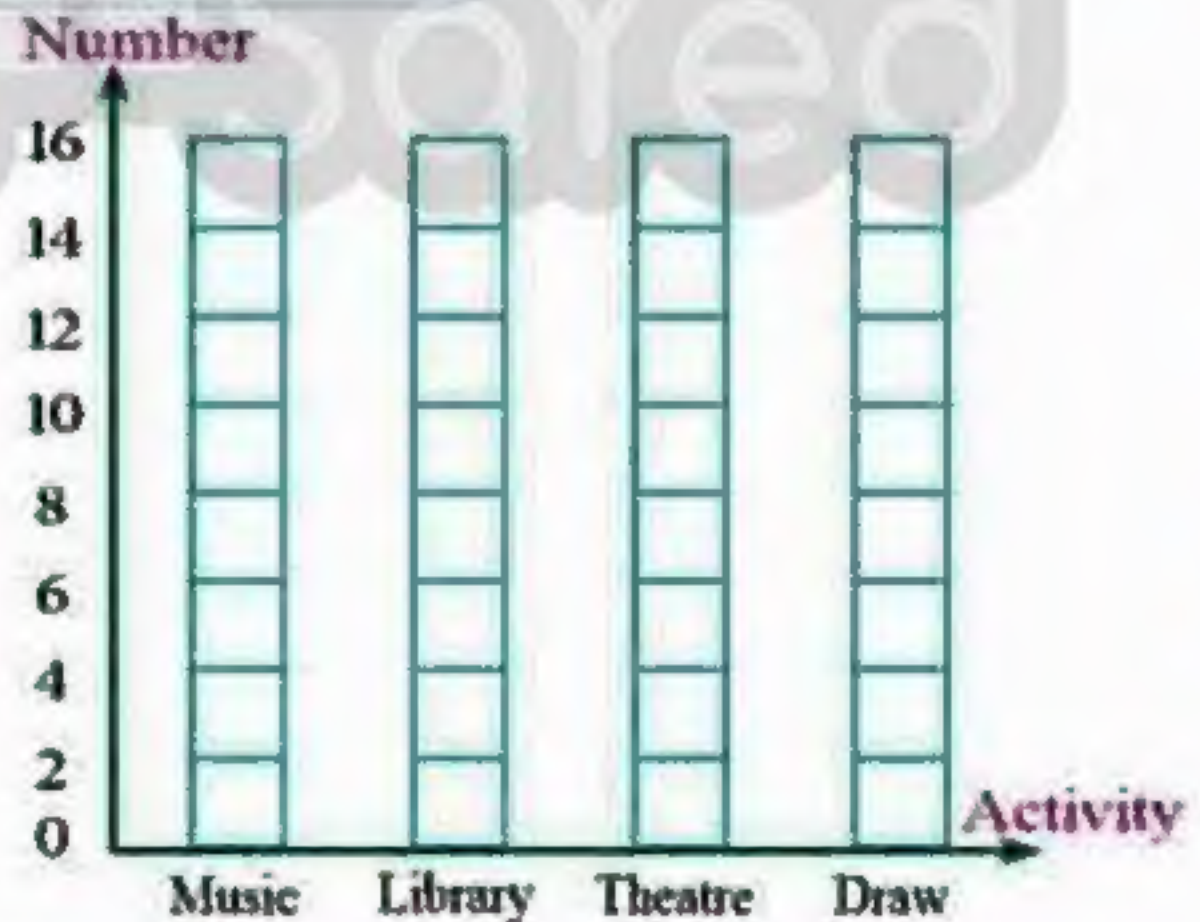


- a) How many tuna and sharks together ? .....
- b) What is the difference between the number of Tuna and Mussa? .....

4

From the table draw the bar graph :

Activity	Number	
Music		.....
Library		.....
Theatre		.....
Draw		.....



- Arrange the activities in an ascending order :

30

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## Lesson










(3, 4)

## Picture graph - line plots

Activity

1


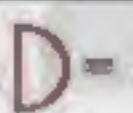
The teacher ask the pupils about there prefer sweet and from the following table , complete the picture graph :

My favorite desserts		Basbousa	
Basbousa		kunafa	
kunafa		Sweet potatoes	
Sweet potatoes		Sweet feteer	
Sweet feteer		Rice pudding	
Rice pudding		Om Ali	
Om Ali			

Math Journal



Key

 = 2 pupils ,  = 1 pupil


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Exercise

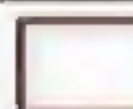

1

Complete the picture graph :

Activity	Number of pupils	Sporty	
Sporty		Theatrical	 
Theatrical		Singling	
Singling		Musically	  
Musically			



Key

 = 2 pupils ,  = 1 pupil

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هذا العمل خاص بموقع ذاكرولى التعليمى ولا يسمح بتداوله على مواقع أخرى

كتاب بكار

موقع ذاكرولى التعليمى

الصف الثالث الابتدائى



BAKKAR

Data representation

## The line plots

Exercise

2

Some boxes each has number of oranges write the number on the line plots :



# Line plots :

\*\* Start by the small number from the left .



Exercise

3

Some bags each has a number of beans as shown complete the line plot using X :



X means 1 bag



Line plot of beans



-What is the number of bags what has 53 beans ?  
Number of bags .....

32

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## Chapter 1

## Activity

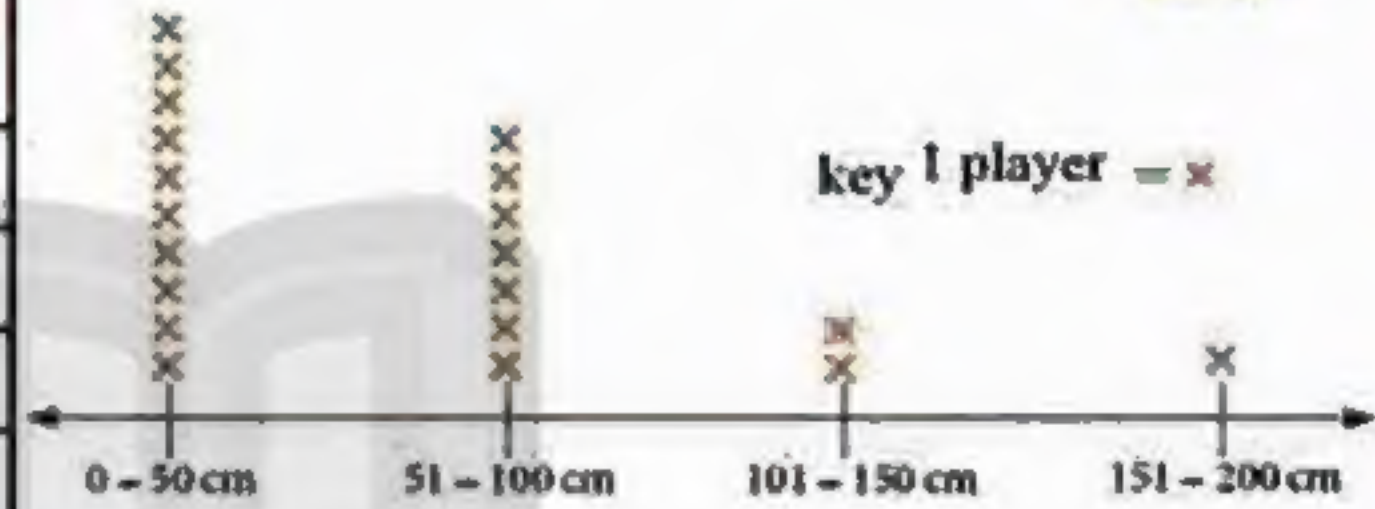
2

A number of players competed in a jumping competition, and the students recorded the height that each player reached when jumping in the following table :

Discover book

Representation by ×

Height of jumping	Number of players
0 - 50 cm	10
51 - 100 cm	7
101 - 150 cm	2
151 - 200 cm	1

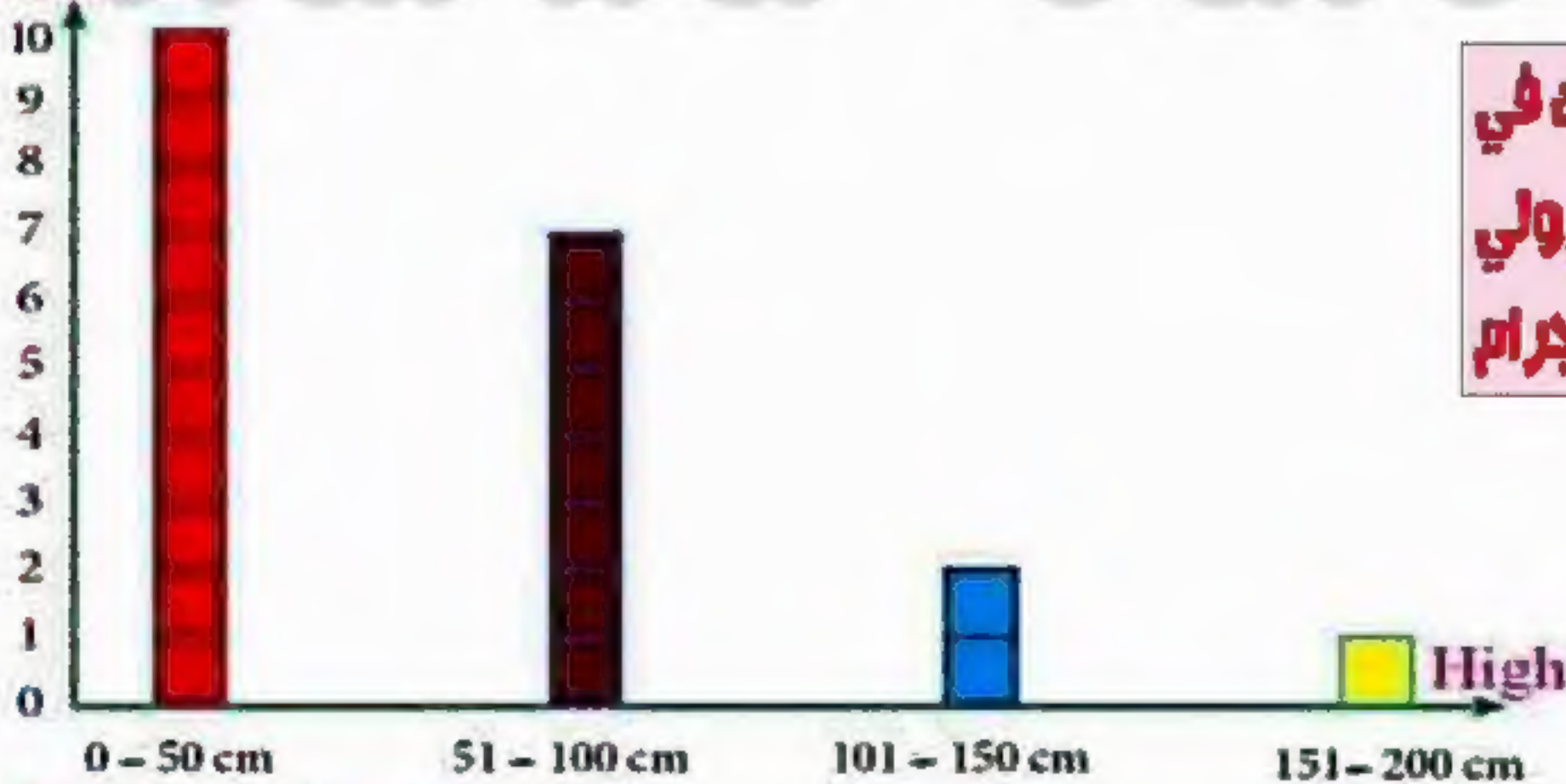


Dot representation



Bar graph

Number



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## Self - check on lesson (3, 4)

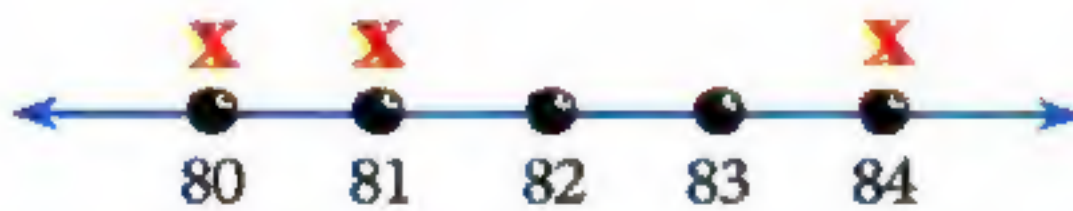
1 Complete the following patterns :



2 Each bag contain a number of potatoes as shown .  
Complete the line plot use X for each number :



Line plots of potatoes



Complete :

- a Number of all =  
b Number of bags that has 83 potatoes =

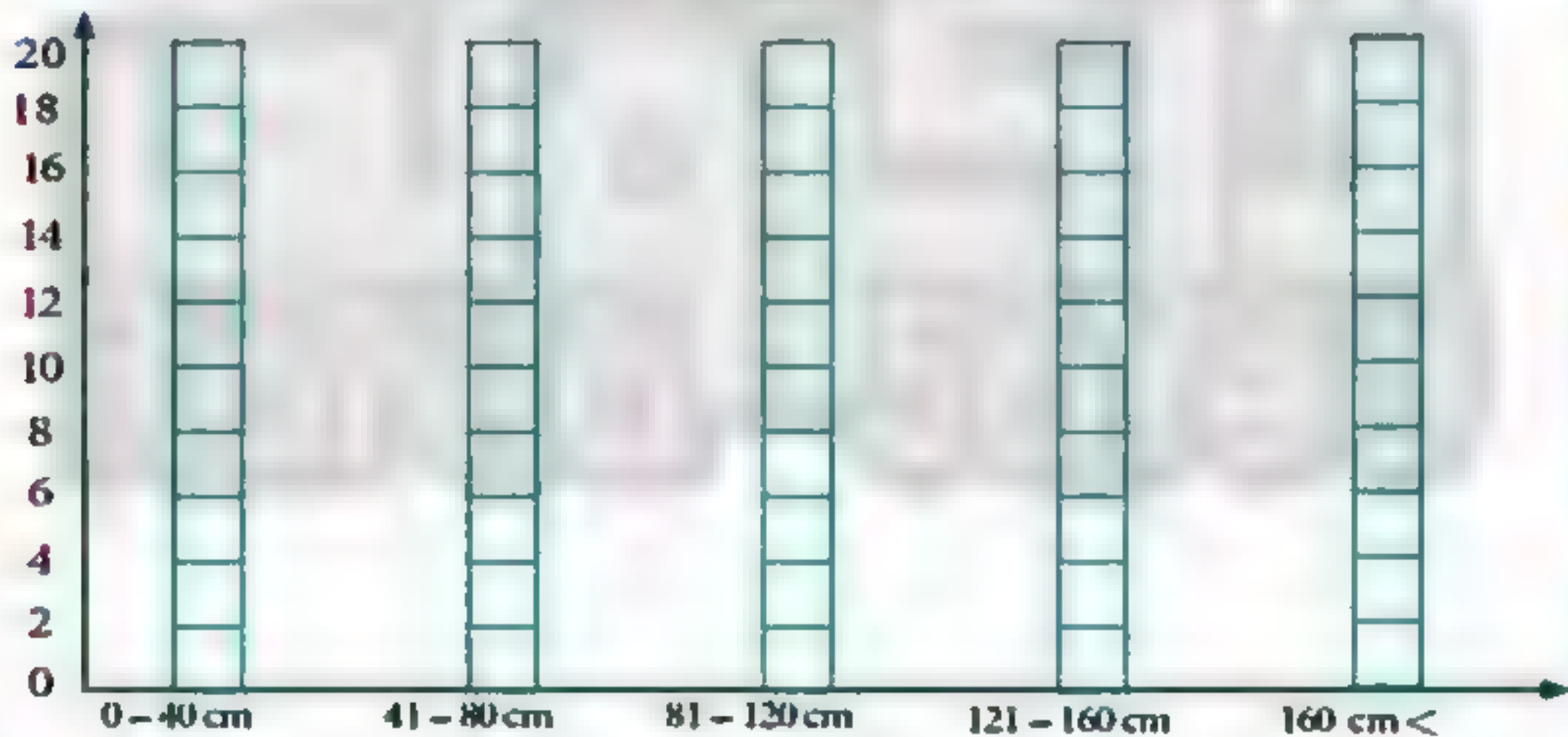


## 4 Chapter 1

- 3 The answers of 52 pupils in your class recorded the distance that each of them jumped by placing the marks  $\text{||||}$  in the correct row in the next chart complete the data representation graph and answer the following :

Discover book

Jumping	Number of pupils	
0 - 40 cm	$\text{    }$ $\text{   }$	
41 - 80 cm	$\text{    }$ $\text{    }$ $\text{    }$ $\text{ }$	
81 - 120 cm	$\text{    }$	
121 - 160 cm	$\text{    }$ $\text{    }$	
160 <	$\text{    }$ $\text{    }$ $\text{  }$	



- a How far has the most number of pupils scored ? .....
- b How far did the least pupils scored ? .....
- c How many students jumped 121 or more ? .....

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## Lesson

(5, 6, 7)

Measuring Length using cm, m  
- Estimate the lengths.

Activity 1 Length of the students hand from wrist to middle finger :

X = One student



From the line plots complete :

- Number of Student who's hand length 11 cm = .....
- Number of Student who's hand length 14 cm = .....
- Number of Student who's hand length 15 cm = .....
- The Number of students who's hand length less than 13 cm =  $3+3+1 = \dots$
- The Number of students who's hand length between 13 and 15 cm = .....

Exercise 1 Use ruler to find the length of the following :

- \_\_\_\_\_ cm
- \_\_\_\_\_ cm
- \_\_\_\_\_ cm
- \_\_\_\_\_ cm
- \_\_\_\_\_ cm

The order of the lengths from shortest to longest :

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Primary 3 - Term 1



## Chapter 1

## Estimate the length



**Centimetre ( cm ) :** Used to measure the short lengths .

Example : the length of a pen 16 cm .



**Metre ( m ) :**

Example : the width of the road about 20 m the height of the building about 30 m .

## Activity 2



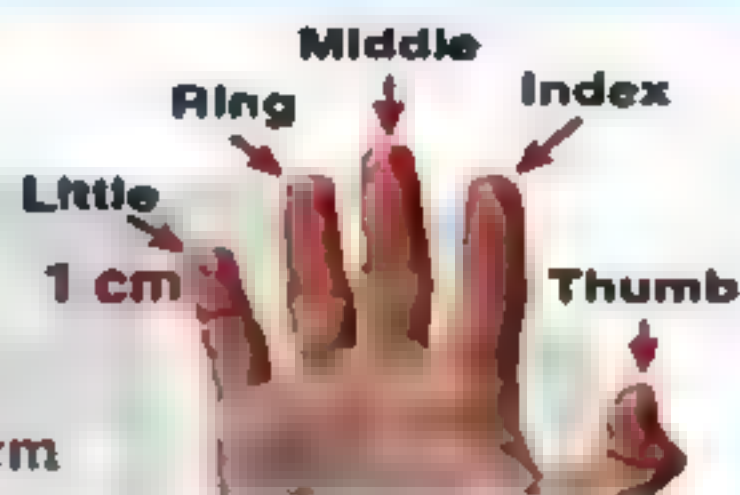
In each of the following read the measure on the ruler [ estimated length ] then write the actual length :



The actual = 4 cm



The estimate length about = 3 cm



a



the estimate ..... cm

the actually ..... cm

b



the estimate ..... cm

the actually ..... cm

## Exercise 2



Choose the estimated length :

- (a) The width of the road is ..... m ( 1 , 6 , 600 )
- (b) The length of Lamppost is ..... m ( 5 , 50 , 500 )
- (c) The length of my father car is ..... m ( 4 , 9 , 15 )
- (d) The length of piece cloth for my mother is ..... m ( 3 , 40 , 35 )

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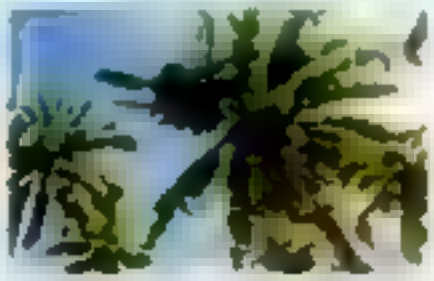


## Data representation

Math Journal

Exercise

3

Choose the suitable measurement unit :

Image	Meters ( m ) or Centimeters ( cm )
	.....
	.....
	.....

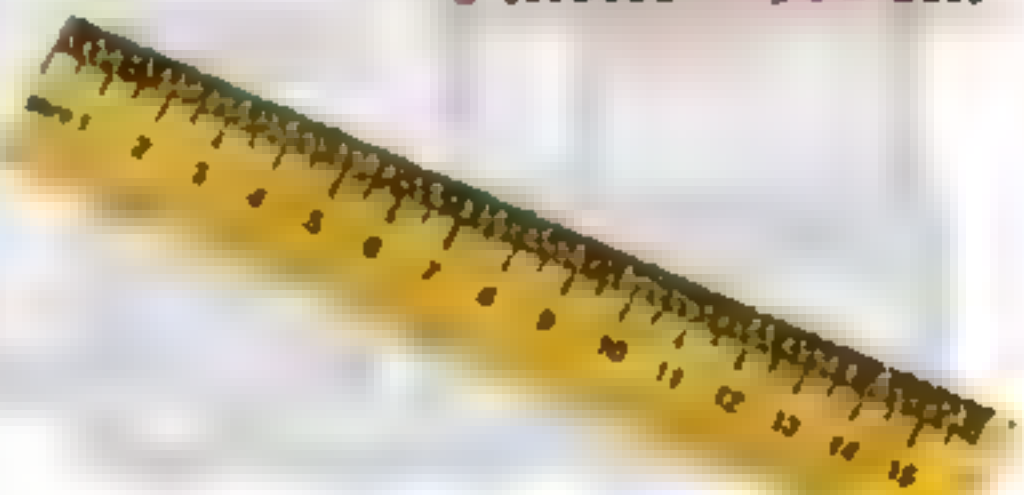
Exercise

4

Complete as in (a) :

1 meter = 100 cm

- (a) 4 m = 400 cm .
- (b) 9 m = ..... cm .
- (c) 1 m = ..... cm .
- (d) 3 m = ..... cm .
- (e) Half of meter = ..... cm .



Exercise

5

Complete as in the example :

Example : 300 cm = 3 m

- (a) 500 cm = ..... m      (b) 600 cm = ..... m
- (c) 700 cm = ..... m      (d) 400 cm = ..... m
- (e) 100 cm = ..... m      (f) 900 cm = ..... m



## Chapter 1

**Activity 3** Arrange the following in an ascending order :

- (a) 5 m , 3 m , 7 m , 2 m .

(Solution) The order : 2 m , 3 m , 5 m , 7 m

- (b) 20 cm , 35 cm , 40 cm , 15 cm .

(Solution) The order : 15 cm , 20 cm , 35 cm , 40 cm

- (c) 3 m , 200 cm , 5 m , 700 cm .

(Solution) 3 m = 300 cm , 5 m = 500 cm

The order : 200 cm , 3 m , 5 m , 700 cm .

**Activity 4** Answer the following :

- (a) If Iyad is ( 1 m and half meter), What is his tall in centimetre ?

Solution : Iyad tall =  $100 + 50 = 150$  cm .

- (b) Ahmed is 186 cm high , Mostafa is 181 cm high .

Find the difference between there high of them?

Solution : Ahmed height = 186 cm , Mostafa height = 181 cm

The Difference :  $186 - 181 = 5$  cm .

**Exercise 6** Answer the following :

Two pieces of cloth with 130 cm , 250 cm length Find :

- (a) There sum

- (b) There difference

(Solution : (a) the sum = ..... + ..... = ..... cm.

(b) the difference = ..... - ..... = ..... cm.

**Bakkar Series**





## Self - check on lesson (5, 6, 7)

1 Complete :

a  $5 \text{ m} = \dots\dots\dots \text{ cm}$

b  $7 \text{ m} = \dots\dots\dots \text{ cm}$

c  $3 \text{ m} = \dots\dots\dots \text{ cm}$

d  $6 \text{ m} = \dots\dots\dots \text{ cm}$

e  $2 \text{ m} = \dots\dots\dots \text{ cm}$

f  $8 \text{ m} = \dots\dots\dots \text{ cm}$

2 Complete :

a  $600 \text{ cm} = \dots\dots\dots \text{ m}$

b  $800 \text{ cm} = \dots\dots\dots \text{ m}$

c  $400 \text{ cm} = \dots\dots\dots \text{ m}$

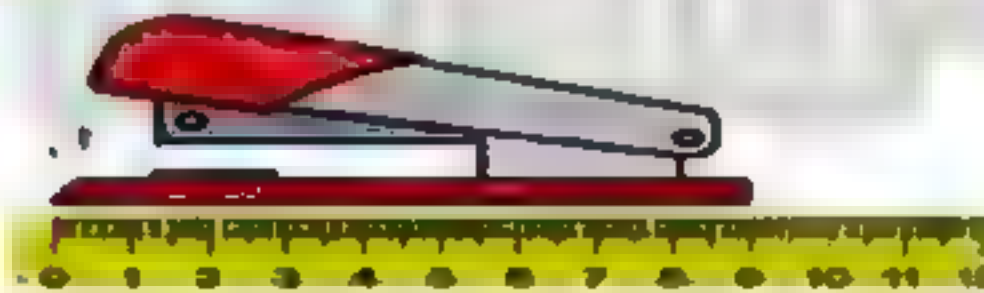
d  $300 \text{ cm} = \dots\dots\dots \text{ m}$

e  $500 \text{ cm} = \dots\dots\dots \text{ m}$

f  $900 \text{ cm} = \dots\dots\dots \text{ m}$

3 Use the ruler to estimate the lengths then write the exact length :

a



The estimation ..... cm

The exact ..... cm

b



The estimation ..... cm

The exact ..... cm

4 Arrange from the longest to the shortest :

[ 3 m , 200 cm , 5 m , 700 cm ]

The order : .....

Primary (3) - Term 1



## Chapter 1

5 Compare using [ < , > , = ] :

- (a) 300 cm ..... 2 m  
 (b) 50 m ..... 50 cm  
 (c) 100 cm ..... 300 cm

تابع جديد زاكروولي على  
 فيس بوك  
 تويتر  
 والسن اب  
 قيجرام

6 Answer the following :

- (a) A car with ( 3 m and 20 cm length ) . How long the width in cm ?

Solution : 3 m = ..... cm

The length = ..... + ..... = 320 cm .




- (b) The width of the school door is ( 200 cm ) .

How long the width in meter ?

Solution : The width = ..... m

7 Write the suitable measurement unit :



Image	Meter ( m ) or centimetre ( cm )
	.....
	.....
	.....

Bakkar Series



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## Lesson

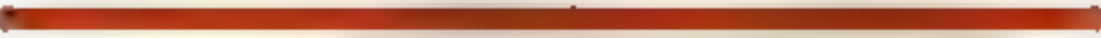





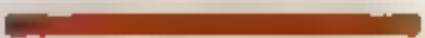



(8, 9, 10)

## Millimetre

## Exercise

1

Measure the pieces of string and record their length the complete the line plot :

	String	Length in cm
a		..... cm
b		..... cm
c		..... cm
d		..... cm
e		..... cm
f		..... cm
g		..... cm
h		..... cm
i		..... cm
j		..... cm

اكتب ذاكرولي في البحث وانضم لجروبات ذاكرولي  
مع رياض الاطفال للصف الثالث الاعدادي



The length in cm

Primary (3) - Term 1



## Chapter 1

## Millimeter






**Millimetre ( mm )** Used to measure the very short lengths .

**Example :** the thickness of nail is 3 mm .



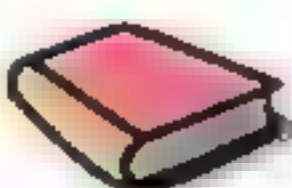
$$1 \text{ cm} = 10 \text{ mm} \quad \text{or} \quad 1 \text{ cm} = 10 \text{ mm}$$

$$2 \text{ cm} = 20 \text{ mm} \quad , \quad 3 \text{ cm} = 30 \text{ mm}$$

**Exercise 2** Choose the suitable measurement unit :

- (a) The thickness of a nail  measure with ..... ( mm - cm - m )
- (b) The length of the book  measure with ..... ( mm - cm - m )
- (c) The length of the ant  measure with ..... ( mm - cm - m )
- (d) Thickness of the power cord measure with ..... ( mm - cm - m )
- (e) The length of my grandfather's stick measure with ..... ( mm - cm - m )

**Exercise 3** Choose the correct answer :

- (a) My father high ( 2 m - 2 mm - 2 cm )
- (b) The length of  ( 5 mm - 5 cm - 5 m )
- (c) The length of  ( 30 cm - 30 mm - 30 m )
- (d) The thickness of the book  ( 10 m - 10 mm - 10 cm )
- (e) The height of my home ( 21 mm - 21 m - 21 cm )

**Bakkar Series**

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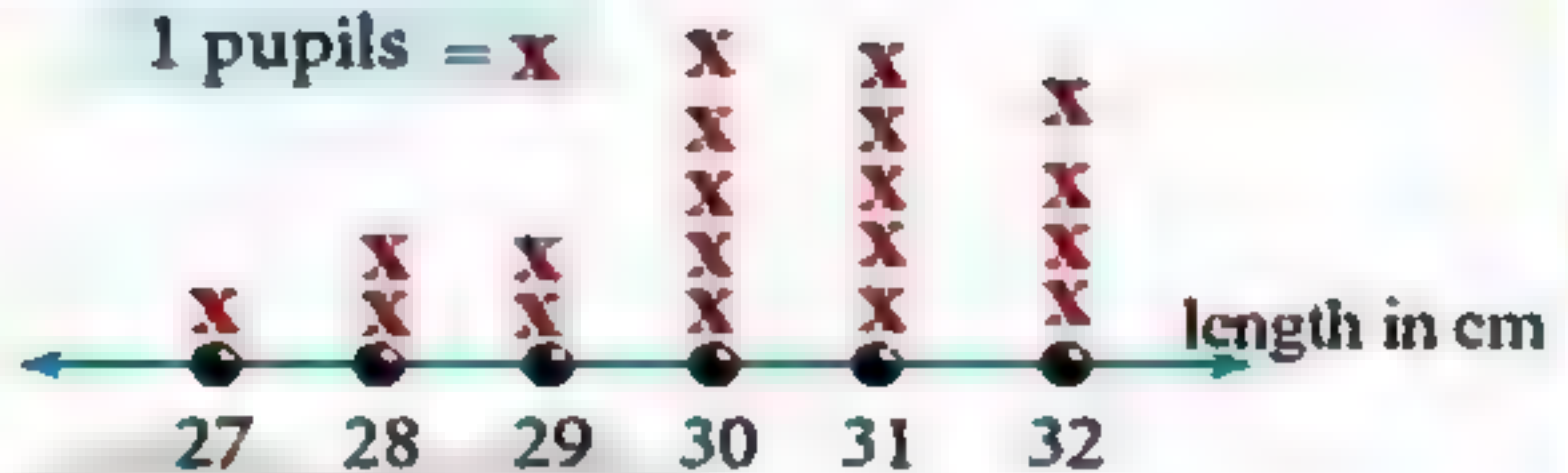
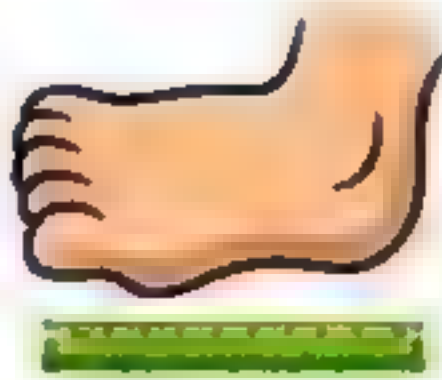
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Data representation

Activity



The line plots show the length of the foot in cm to some pupils and their number :



From the figure complete :

- The number of pupils with foot 29 cm = .....
- The number of pupils with foot 30 cm = .....
- The number of pupils with foot 27 cm = .....
- The number of pupils with foot less than 29 cm = ..... + ..... = .....
- The number of pupils whose foot between 30 cm and 32 cm is  
= ..... + ..... + ..... = .....

Exercise



Complete the following :

- $100 \text{ cm} + 100 \text{ cm} = \dots \text{ cm} = \dots \text{ m}$
- $150 \text{ cm} + 250 \text{ cm} = \dots \text{ cm} = \dots \text{ m}$
- $20 \text{ mm} + 10 \text{ mm} = \dots \text{ mm} = \dots \text{ cm}$
- $30 \text{ mm} + 30 \text{ mm} = \dots \text{ mm} = \dots \text{ cm}$

(Solution

- $100 \text{ cm} + 100 \text{ cm} = 200 \text{ cm} = 2 \text{ m}$
- $150 \text{ cm} + 250 \text{ cm} = 400 \text{ cm} = 4 \text{ m}$
- $20 \text{ mm} + 10 \text{ mm} = 30 \text{ mm} = 3 \text{ cm}$
- $30 \text{ mm} + 30 \text{ mm} = 60 \text{ mm} = 6 \text{ cm}$

Primary 3 - Term 1



## 4 Chapter 1

Exercise 5 Choose the correct answer :

- (a) 9 m = ..... cm. ( 9 , 90 , 900 )  
 (b) 6 cm = ..... mm. ( 6 , 60 , 600 )  
 (c) 30 mm = ..... cm. ( 3 , 30 , 300 )  
 (d) 200 cm = ..... m. ( 2 , 20 , 200 )  
 (e) 20 mm = ..... cm. ( 2 , 20 , 200 )

Exercise 6 Put ( &lt; , &gt; , = ) :

- (a) 600 cm  5 m .  
 (b) 40 mm  4 cm .  
 (c) 750 cm  8 m .  
 (d) 5 cm  60 mm .  
 (e) 9 m  900 cm .



Exercise 7 Arrange the following :

- (a) 14 mm , 17 m , 8 mm , 29 mm .

Ascendingly : ..... , ..... , ..... , .....

- (b) 2 cm , 10 mm , 5 cm , 70 mm .

Descendingly : ..... , ..... , ..... , .....

Bakkar Series

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## Self - check on lesson ( 8 , 9 , 10 )

1 Choose the suitable measurement unit :

- (a) The length of pencils measure with ..... ( mm - cm - m )  
 (b) The length of bottle measure with ..... ( mm - cm - m )  
 (c) The length of piece of cloth can be ..... ( 4 cm - 4 mm - 4 m )

2 Complete :

- (a) 5 m + \_\_\_\_ cm = 7 m  
 (b) 200 cm + \_\_\_\_ m = 5 m  
 (c) 80 cm - \_\_\_\_ cm = 50 cm  
 (d) 5 cm + \_\_\_\_ mm = 7 cm  
 (e) 30 mm + \_\_\_\_ mm = 60 mm  
 (f) 50 mm - \_\_\_\_ cm = 2 cm  
 (g) 6 m - \_\_\_\_ cm = 500 cm

Remember

The metre = 100 cm  
 The centimetre = 10 mm

3 Put ( < , > , = ) :

- |     |       |                      |        |
|-----|-------|----------------------|--------|
| (a) | 5 cm  | <input type="text"/> | 50 mm  |
| (b) | 50 cm | <input type="text"/> | 1 m    |
| (c) | 10 mm | <input type="text"/> | 10 cm  |
| (d) | 10 m  | <input type="text"/> | 10 cm  |
| (e) | 9 cm  | <input type="text"/> | 9 mm . |

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## 4 Chapter 1

4 Complete :

- (a)  $200 \text{ cm} - 100 \text{ cm} = \dots \text{ cm} = \dots \text{ m}$
- (b)  $5 \text{ cm} - 3 \text{ cm} = \dots \text{ cm} = \dots \text{ mm}$
- (c)  $7 \text{ m} - 3 \text{ m} = \dots \text{ m} = \dots \text{ cm}$
- (d)  $700 \text{ cm} - 500 \text{ cm} = \dots \text{ cm} = \dots \text{ m}$
- (e)  $40 \text{ mm} - 30 \text{ mm} = \dots \text{ mm} = \dots \text{ cm}$

5 Arrange the following in an ascending order :

- (a)  $3 \text{ m}, 5 \text{ m}, 1 \text{ m}, 2 \text{ m}.$
- (b)  $40 \text{ cm}, 10 \text{ cm}, 50 \text{ cm}, 70 \text{ cm}.$
- (c)  $10 \text{ mm}, 20 \text{ mm}, 80 \text{ mm}, 60 \text{ mm}.$
- (d)  $7 \text{ m}, 100 \text{ cm}, 9 \text{ m}, 800 \text{ cm}.$
- (e)  $17 \text{ cm}, 7 \text{ mm}, 70 \text{ cm}, 70 \text{ mm}.$

6 Join :

1 Meter and half

4 m

300 cm

100 cm

1 m

150 cm

400 cm

2 m and 100 cm

Bakkar Series

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## Self - check 1 Chapters 1

1 Choose :

- (a) 7 m = ... cm (7, 70, 700)
- (b) 5 cm = ... mm (5, 50, 500)
- (c) 90 mm = ... cm (9, 90, 900)
- (d) 300 cm = ... m (3, 30, 300)

2 Complete the table and colour the graph :

Fruit	Number of pupils
Banana	
Orange	
Mango	
Strawberry	
Mandarin	



3 A car of ( 4 m and 40 cm ). What its length in cm ?

Solution :

The length of the car = ... + ...

= ... cm .



Primary (3) - Term 1


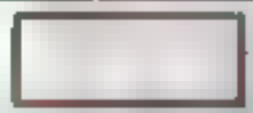




## Self - check 2 Chapter 1

1 Complete :

- (a)  $500 \text{ cm} - 300 \text{ cm} = \dots \text{ cm} = \dots \text{ m}$   
 (b)  $9 \text{ cm} - 4 \text{ cm} = \dots \text{ cm} = \dots \text{ mm}$   
 (c)  $6 \text{ m} - 4 \text{ m} = \dots \text{ m} = \dots \text{ cm}$   
 (d)  $800 \text{ cm} - 100 \text{ cm} = \dots \text{ cm} = \dots \text{ m}$   
 (e)  $70 \text{ mm} - 3 \text{ cm} = \dots \text{ mm} = \dots \text{ cm}$

2 Complete the table and colour the graph :

Shape	Number	
		
		
		
		

Number



3 Choose :

6 meters and half = ..... cm .

650

560

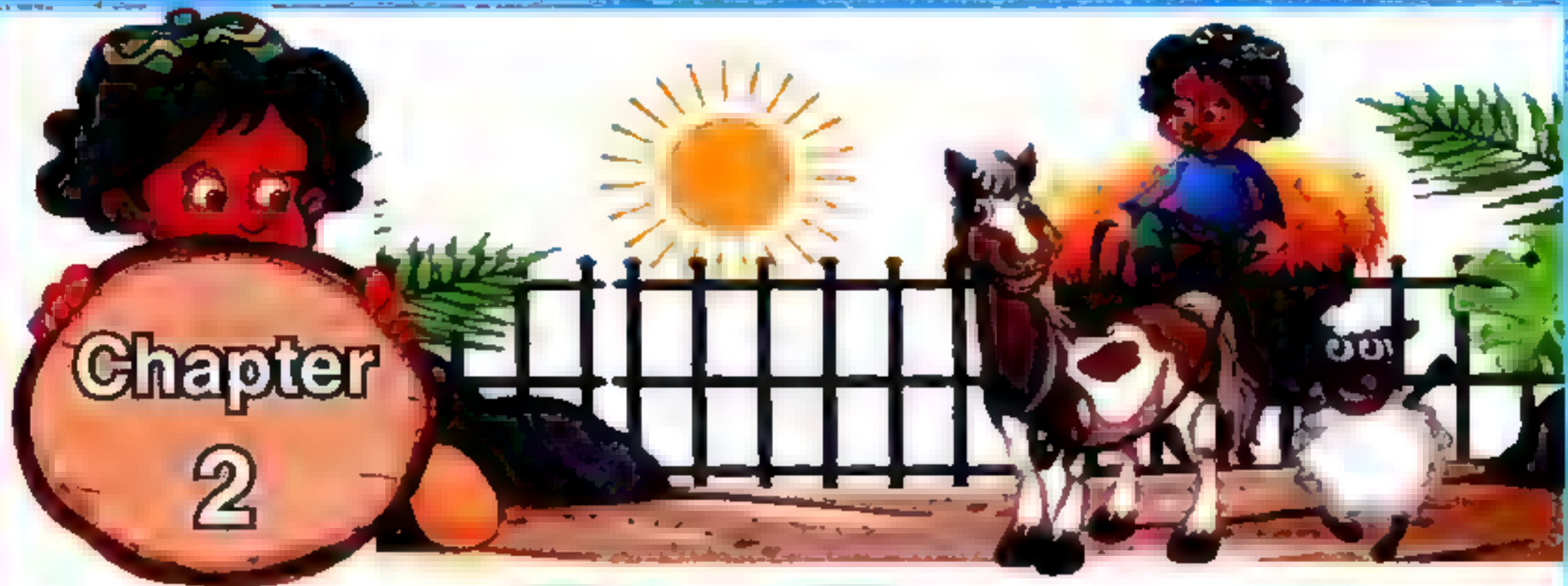
605

For more exercises follow the Bakkar Self-check page (210)

Bakkar Series

49





## The thousands - Multiplication

### Key Vocabulary

Arrange	ترتيب	Multiplication	الضرب
Array	المصفوفة	Number	عدد
Assemblies	تجميعات	Place value	القيمة المكانية
Bars	أعمدة	Product	حاصل الضرب
Column	العمود	Repeated addition	الجمع المتكرر
Commutative property	خاصية الإبدال	Row	صف
Digit	رقم	Rows	صفوف
Efficient	يتسم بالكفاءة	Skip - count	العد بالقفز
Equal	يساوي	Standerd form	الصيغة الرمزية
Extended form	الصيغة الممتدة	Ten thousands	عشرات الألوف
Factor	العامل	The total	المجموع
Groups	مجموعات	Thousand	ألف
Hundred thousands	مئات الألوف		

### Content

Bakkar  
Self-Check

Bakkar  
Exercise  
on lessons

Exercise  
inspired from  
Math Journal

Exercise  
inspired from  
Discover



## Lesson

( 11 , 12 )

## Thousands

Activity



Complete as in (a) :

Remember

(a)  $753 = 7 \text{ hundreds} + 5 \text{ tens} + 3 \text{ ones}$   
 $= 700 + 50 + 3$

(b)  $395 = \dots \text{ hundreds} + \dots \text{ tens} + \dots \text{ ones}$   
 $= \dots + \dots + \dots$

(c)  $487 = \dots \text{ hundreds} + \dots \text{ tens} + \dots \text{ ones}$   
 $= \dots + \dots + \dots$

(d)  $631 = \dots \text{ hundreds} + \dots \text{ tens} + \dots \text{ ones}$   
 $= \dots + \dots + \dots$

Activity



What is the greatest 3-digit number ?

Solution The number is 999

Hundreds	Tens	Ones
9	9	9

Nine hundred and ninety nine

The number just after 999 is 1000 ( one thousand )

Thousands	Hundreds	Tens	ones
1	0	0	0

1000 is the smallest 4-digit number.

Activity



What is the greatest 4-digit number ?

Solution The number is 9999

Thousands	Hundreds	Tens	ones
9	9	9	9

Nine thousand nine hundred and ninety nine

Bakkar Series





BAKKAR

The thousands - Multiplication

## Activity 4 How to read 4-digit ?

1253

Read from left to right as one thousand two hundred and fifty three

Exercise 1 Write the following numbers in the place value cards :

The number : 5019

Thousands	Hundreds	Tens	Ones

The number 3604

Thousands	Hundreds	Tens	Ones

The number : 1234

Thousands	Hundreds	Tens	Ones

The number 8888

Thousands	Hundreds	Tens	Ones

## Activity 5 Notice the digit 4 in the following :

Number	Place value of 4	Value of 4
4	Ones	4
48	Tens	40
491	Hundreds	400
4673	Thousands	4000

Notice :

The value of 4 changed according to the place

Exercise 2 Notice the digit 3 in the following :

Number	Place value of 3	Value of 3
35		
3761		
63		
385		

Notice :

The value of 3 changed according to the place



## Chapter 2

## ■ Forming the greatest 4-digit number :

Start with the greatest digit in the thousand place then the next greatest in the hundred place and so on

For example : Write the greatest 4-digit number from the digits :

7 3 2 5 → The greatest number = 7532

**Activity 6** From the following digit put one digit in the discard then make the greatest number :

1 2 3 4 5

**Example 1 :**

**Solution :** Put 3 in the discard the form the greatest number

Thousands	Hundreds	Tens	Ones	Discard	The greatest Number is :
5	4	2	1	3	

5421

**Example 2 :**

Thousands	Hundreds	Tens	Ones	Discard	The greatest Number is :
.....	.....	.....	.....	5	

.....

### Activities from Math Journal

**Activity** From the following digit put one digit in the discard then write the greatest number :

7 1 5 4 6

Thousands	Hundreds	Tens	Ones	Discard	The greatest Number is :
.....	.....	.....	.....	5	

.....

**Bakkar Series**

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BAKKAR

The thousands - Multiplication

Activity

7

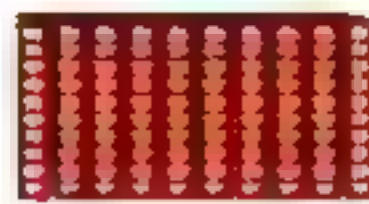
Notice :



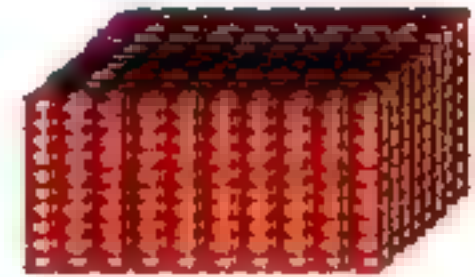
1



10



100



1000

Activity

8

Represent the number 1253 in the place value card :

Thousands	Hundreds	Tens	Ones

Exercise

3

Convert the standard form to the extended form as EX :

The expanded form of :  $1253 = 1000 + 200 + 50 + 3$  $1537 = \dots + \dots + \dots + \dots$  $5412 = \dots + \dots + \dots + \dots$  $6591 = \dots + \dots + \dots + \dots$  $3289 = \dots + \dots + \dots + \dots$ 

Exercise

4

Compare using ( $>$ ,  $=$ ,  $<$ ) :

a

4984

2026

b

1001

3980

c

9 thousands

9000

Math  
Journal

Remember that :

Compare from thousand  
then hundred and so on

54

Primary 3 - Term 1

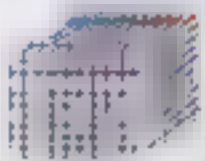
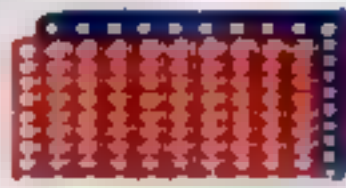


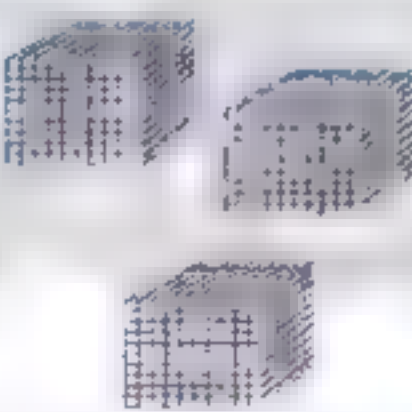
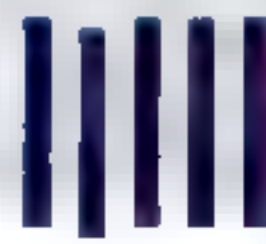



## Self - check on lesson (11, 12)

1 Complete the table :

Number	Place value of 7	Value of 7
75	.....	.....
367	.....	.....
7100	.....	.....
4763	.....	.....

2 Write the number :

The number	Thousands	Hundreds	Tens	Ones
.....				
.....				

3 Write the expanded form :

- a **5493** = ..... + ..... + ..... + .....
- b **6371** = ..... + ..... + ..... + .....
- c **8642** = ..... + ..... + ..... + .....
- d **2794** = ..... + ..... + ..... + .....

Bakkar Series

55



4 Write in digits :

- a Six thousands five hundreds and forty three = .....
- b Three thousands four hundreds and thirty seven = .....
- c Two thousands six hundreds and forty = .....
- d Five thousands nine hundreds and eleven = .....
- e Seven thousands and one hundred = .....

5 Notice and complete the following pattern :

- a 1000 , 1100 , 1200 , ..... , ..... , .....
- b 2000 , 1900 , 1800 , ..... , ..... , .....
- c 1000 , 2000 , 3000 , ..... , ..... , .....
- d 1000 , 1500 , ..... , 2500 , ..... , .....

6 Arrange the following numbers in an ascending order :

4705 , 4750 , 4075 , 475

The order : .....

7 Complete using ( > , = , < ) :

Math Journal

- |   |      |                      |      |   |      |                      |      |
|---|------|----------------------|------|---|------|----------------------|------|
| a | 8903 | <input type="text"/> | 9038 | b | 7787 | <input type="text"/> | 7878 |
| c | 1342 | <input type="text"/> | 1302 | d | 2344 | <input type="text"/> | 2345 |
| e | 6534 | <input type="text"/> | 6544 | f | 5871 | <input type="text"/> | 5671 |



## Lesson

( 13 , 14 )

## Numbers up to hundreds thousand

Activity 1 The greatest 4-digit number is 9999 :

Solution :

The number is 9 999

Thousands	Hundreds	Tens	Ones
9	9	9	9

It read as : nine thousand , nine hundred and ninety nine

The number just after 9 999 is 10 000 ( ten thousand )

Ten thousand	Thousands	Hundreds	Tens	Ones
1	0	0	0	0

10 000 is the smallest 5-digit number

Activity 2 What is the greatest 5-digit number ?

Solution :

The number is 99 999

Ten thousand	Thousands	Hundreds	Tens	ones
9	9	9	9	9

Read first 99 thousand

and 999

It is read as : ninety nine thousand , nine hundred and ninety nine

Exercise 1 Write the following number in the place value card then read it :

The number : 67459

Ten thousand	Thousands	Hundreds	Tens	ones

thousand

and

It is read as : sixty seven thousand , four hundred and fifty nine

Bakkar Series

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تابع جديد ذاكرولي على موقعنا  
https://www.zakrooly.com

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى



BAKKAR

The thousands - Multiplication

**Activity 3** The number just after 99 999 is 100 000 ( hundred thousand ) :

hundreds thousand	tens thousand	thousand	hundreds	tens	ones
1	0	0	0	0	0

The number **100 000** is the smallest 6 digit number

**Activity 4** What is the greatest 6-digit number ?

The number **999 999**

hundreds thousand	tens thousand	thousand	hundreds	tens	ones
9	9	9	9	9	9

Read first → 999 thousand

and 999

It is read as nine hundred ninety nine thousand , **nine hundred** and ninety nine

**Exercise 2** Write the following numbers in the place value card :

The number : **267 459**

hundreds thousand	tens thousand	thousand	hundreds	tens	ones

**267 459**

It read as 267 thousand and 459

The number : **107 326**

hundreds thousand	tens thousand	thousand	hundreds	tens	ones

**107 326**

thousand and

The number : **950 108**

hundreds thousand	tens thousand	thousand	hundreds	tens	ones

**950 108**

thousand and



## Chapter 2

## Comparing between 2 numbers

If the two numbers has the same number of digit compare from left to right

EX : The two numbers

915734 and 915634

Then :  $915734 > 915634$

Because : value of 7 more than value of 6

The number that has more digit is the greater

EX : The two numbers

96 157 and 815 734

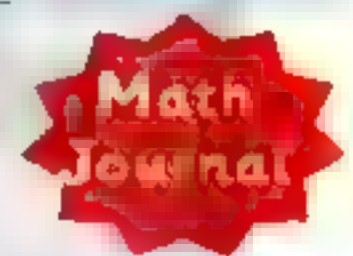
↓  
5 digit

↓  
6 digit

Then  $815 734 > 96 157$

Exercise 3 Look the population number in some cites and complete :

City	Population	Reading the number
Suez	488125	488 thousand and 125
Matay	45215	
Alshohadaa	48060	
Port-said	538378	
Ettsa	45269	



Arrange the cities from the smallest population to the greatest

The order : Matay , Ettsa , , , , ,

Exercise 4 Write the expanded form of the following as EX :

$$62\ 319 = 60\ 000 + 2\ 000 + 300 + 10 + 9$$

$$762\ 319 = \quad + \quad + \quad + \quad + \quad + \quad$$

$$15\ 780 = \quad + \quad + \quad + \quad + \quad + \quad$$

$$812\ 904 = \quad + \quad + \quad + \quad + \quad + \quad$$

Bakkar Series

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BAKKAR

The thousands - Multiplication

## ■ Forming the smallest 4-digit number :

Put the smallest digit in the thousand place then hundred place and soon .

**Example :** Write the smallest number from the following digits :

7 3 2 5 → The number = 2357

**Activity 5** From the cards ignore one card and form the smallest number from the other cards . as the example

1 2 3 4 5 6 7

**Solution**

Put 6 in discard then write the smallest number formed from the other cards

hundred thousand	Ten thousands	Thousands	Hundreds	Tens	Ones	Discard
1	2	3	4	5	7	6

The smallest number 123 457 Its read . thousand and

### Activities from Math Journal

**Activity** Ignore one digit then form the smallest number :

6 4 5 1 9 3 8

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones	Discard

Its read . thousand and



## Self - check on lesson ( 13 , 14 )

1 Write in standard from each of the following :

- (a) Thirty six thousand and four hundred = \_\_\_\_\_
- (b) Eleven thousand = \_\_\_\_\_
- (c) Sixty thousand and ten = \_\_\_\_\_
- (d) Fifty two thousand one hundred and one = \_\_\_\_\_
- (e) Ninety nine thousand and two hundred = \_\_\_\_\_

2 Notice and complete :

- (a) 10000 , 10100 , 10200 , ..... , ..... , ..... , 10600
- (b) 20000 , 19000 , 18000 , ..... , ..... , ..... , 14000
- (c) 10000 , 30000 , ... .. , ..... , ..... , 90000
- (d) 11111 , 22222 , ..... , ..... , ..... , ..... , 77777
- (e) ..... , 55800 , 55700 , ..... , ..... , ..... , 55300

3 Complete the table ( the first done for you ):

City	Population	Reading the number
sedy salem	47 998	47 thousand and 998
Jouhaina	47 821	
Tamia	46 866	
Luxor	422 407	

Bakkar Series





4 Write the expanded form of the following as EX :

Example :  $12\ 576 = 10\ 000 + 2\ 000 + 500 + 70 + 6$

- a  $11\ 120 = \dots + \dots + \dots + \dots + \dots$   
 b  $14\ 502 = \dots + \dots + \dots + \dots + \dots$   
 c  $77\ 777 = \dots + \dots + \dots + \dots + \dots$   
 d  $50\ 021 = \dots + \dots + \dots + \dots + \dots$   
 e  $90\ 807 = \dots + \dots + \dots + \dots + \dots$

لا تفسد الأشرطة في  
قنوات ذاكرولي  
على طريق التبرام

5 Arrange the following numbers :

- a  $17\ 457, 14\ 457, 15\ 457, 10\ 457, 20\ 457$

Descendingly : .....

- b  $26\ 452, 26\ 524, 26\ 245, 26\ 542, 26\ 254$

Ascendingly : .....

- c  $67\ 500, 67\ 005, 60\ 705, 60\ 075, 67\ 050$

Descendingly : .....

6 Using the cards write the greatest and the smallest number :

Cards	The greatest	The smallest
9 6 3 1 5	.....	.....
1 7 5 3 2	.....	.....
7 5 9 2 0	.....	.....
8 4 6 1 3	.....	.....

Primary 3 - Term 1



## Lesson

( 15 , 16 )

## Counting strategies

Skip count on the number line

## Activity 1 Skip-count by 2s



To get 18 we count ( 2 ) nine times as the following

$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 18$$

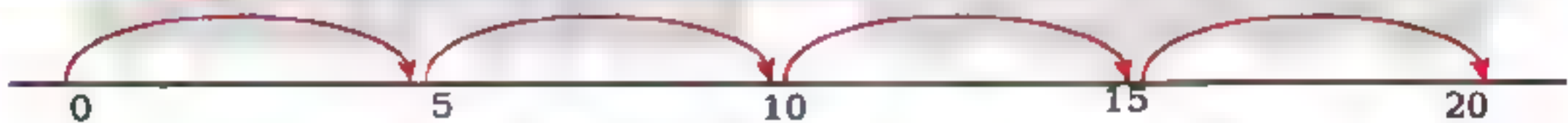
## Activity 2 Skip-count by 3s



To get 15 we count ( 3 ) five times as the following

$$3 + 3 + 3 + 3 + 3 = 15$$

## Activity 3 Skip-count by 5s



To get 20 we count ( 5 ) four times as the following

$$5 + 5 + 5 + 5 = 20$$

## Activity 4 Skip-count by 10s



To get 40 we count ( 10 ) four times as the following

$$10 + 10 + 10 + 10 = 40$$

Bakkar Series

63



BAKKAR

The thousands - Multiplication

**Activity 5** Determine the number of items in each group :

First method



Number of rows 2

Number of items in each row 5

Total number of items  $= 5 + 5 = 10$ 

Second method



Number of columns 5

Number of items in each column 2

Total number of items

$$= 2 + 2 + 2 + 2 + 2 = 10$$

**Exercise 1**

Determine the number of items in each group :

First method



Number of rows

Number of items in each row

Total number of items =

Second method



Number of columns

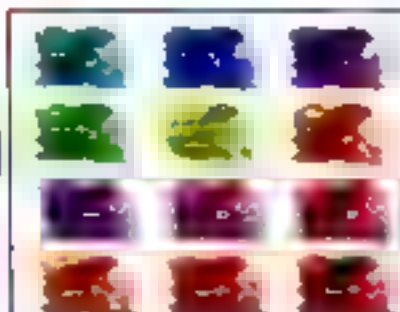
Number of items in each column

Total number of items =

**Exercise 2**

Determine the number of items in each group :

First method

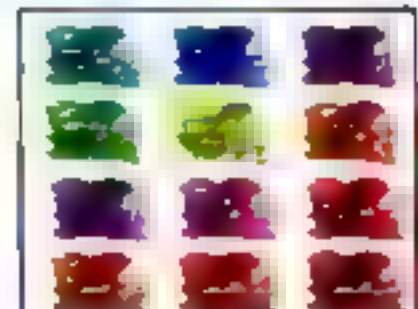


Number of rows

Number of items in each row

Total number of items =

Second method



Number of columns

Number of items in each column

Total number of items =

Primary 3 - Term 1



ذاكر رولى

هذا العمل خاص بموقع ذاكر رولى التعليمي ولا يسمح بتداوله على مواقع أخرى

كتاب بحار

موقع ذاكر رولى التعليمي

الصف الثالث الابتدائي



## Chapter 2

## Exercise

3

Determine the number of stars in each array :

Math Journal

Number of rows .....

Number of stars in each row .....

Total number = .....



Number of rows .....

Number of stars in each row .....

Total number = .....



Number of rows .....

Number of stars in each row .....

Total number = .....



Number of rows .....

Number of stars in each row .....

Total number = .....



Bakkar Series

65



BAKKAR

The thousands - Multiplication

Activity

6

The price of each item LE 3 what is the price of the array ? :

Solution :



Number of rows 2

Number of items in each row 3

Number of all items =  $3 + 3 = 6$  items

Total price =  $\boxed{3} + \boxed{3} + \boxed{\dots} + \boxed{\dots} + \boxed{\dots} + \boxed{\dots} = \dots$

Price of item    Price of item    Price of item    Price of item    Price of item    Price of item

Exercise

4

Some of the stars have been ripped of.  
How many stars were in the original array :

Math Journal



First method : number of columns 6

Number of stars in each columns 4

Total number of the original array = 24

There are 17 stars now

Number of ripped stars =  $24 - 17 = 7$ 

Second method : number of rows

Number of stars in each rows

Total number of the original array =

There are 17 stars now

Number of ripped stars = - =



## Self - check on lesson (15, 16)

Math  
Journal

1 Determine the number of stars in each array :

Number of columns .....

Number of stars in each column .....

Total number of stars = .....



Number of columns .....

Number of stars in each column .....

Total number of stars = .....



Number of columns .....

Number of stars in each column .....

Total number of stars = .....



Number of columns .....

Number of stars in each column .....

Total number of stars = .....



Bakkar Series





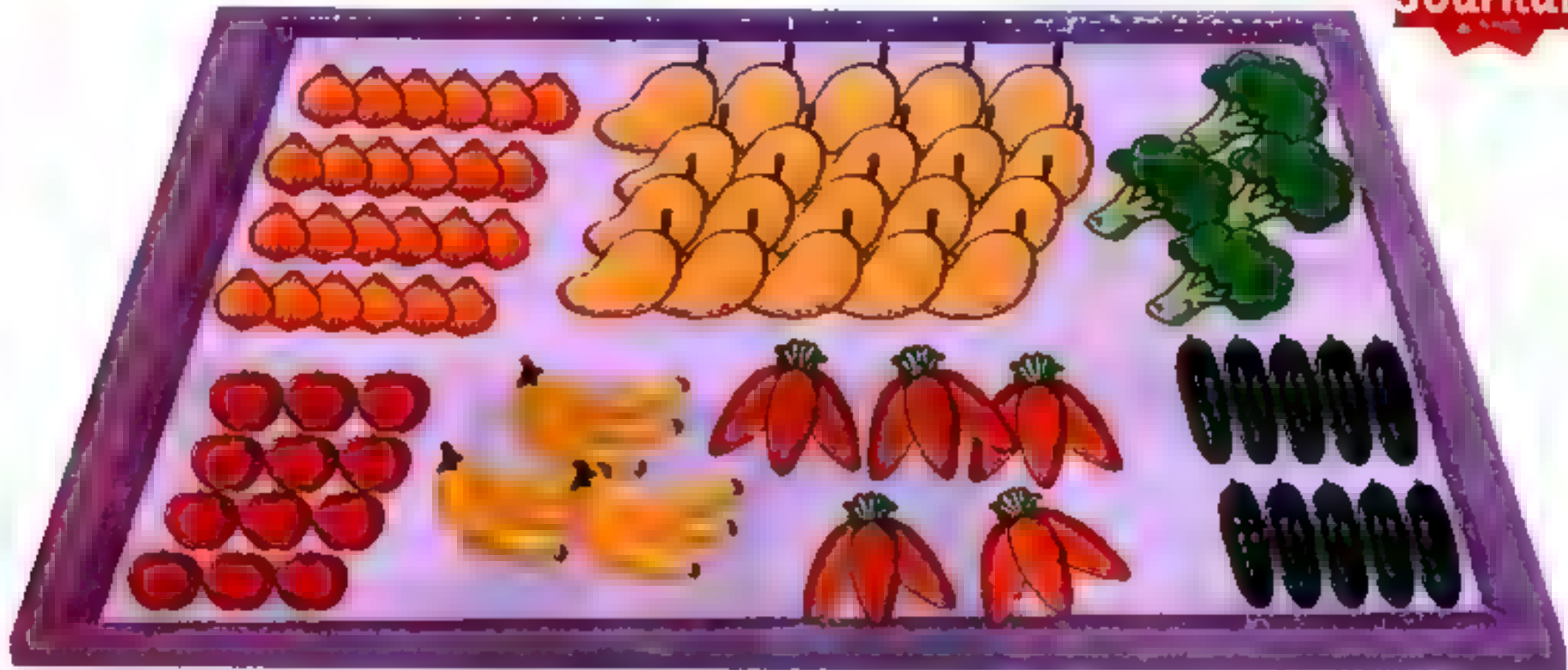
BAKKAR

The thousands - Multiplication

2

Complete the table to find the number of each items :

Math Journal



Name of group	Total number of item in each group
Apples	Number of row ..... Number of apples in each row ..... Total number of apples = $3 + 3 + 3 + 3 = 12$
Figs	Number of row ..... Number of apples in each row ..... Total number of apples =
Mango	Number of row ..... Number of apples in each row ..... Total number of apples =
Cucumber	Number of row ..... Number of apples in each row ..... Total number of apples =



## Lesson

( 17 , 18 )

Multiplication [ Repeated addition ]

Activity

1

Notice :

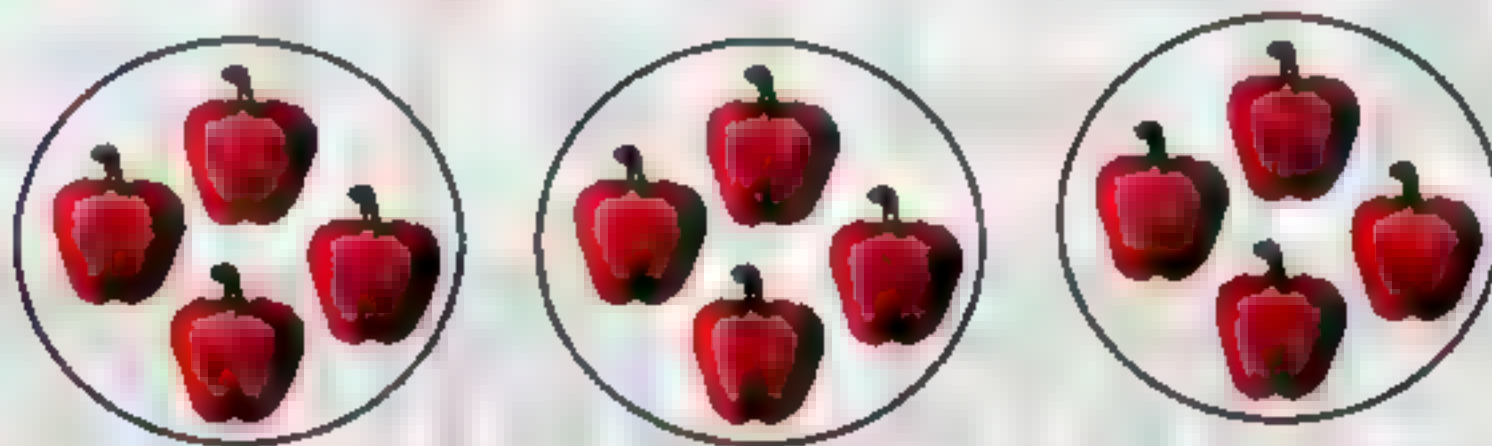
Repeated addition equation  $3 + 3 + 3 = 9$ Multiplication equation  $3 \times 3 = 9$ 

3 sets each with 3 turtle = 9 turtle

Activity

2

Notice :

Repeated addition equation  $4 + 4 + 4 = 12$ Multiplication equation  $3 \times 4 = 12$ 

3 sets of 4 pepper each = 12

Exercise

1

Nadeen draw 2 flowers in a paper then 2 then 2 .  
How many flowers drawn ?

Repeated addition equation  $+ + = 6$ Multiplication equation  $2 \times =$ 

Bakkar Series

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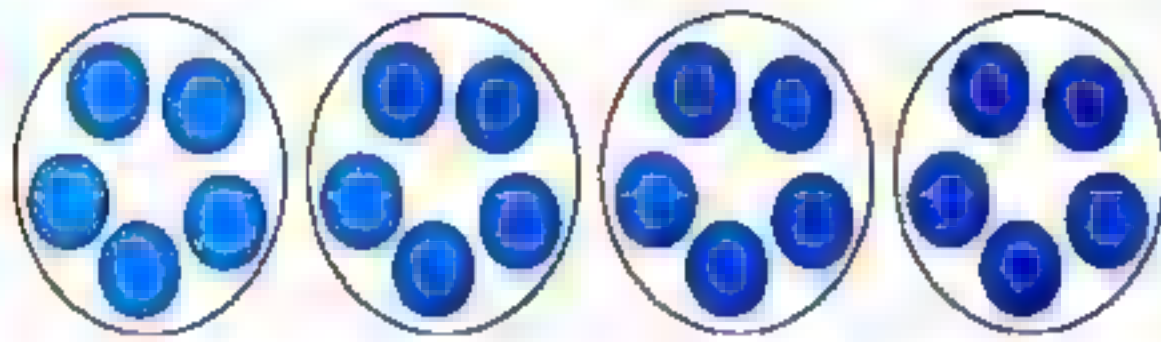
BAKKAR

The thousands - Multiplication

Activity

3

Notice the following :



Number of sets 4

Number of items in each 5

Repeated addition =

$$5 + 5 + 5 + 5 = 20$$

It means  $4 \times 5 = 20$ 

4 sets of 5 items = 20



Number of rows 4

Number of items in each 5

Repeated addition =

$$5 + 5 + 5 + 5 = 20$$

It means  $4 \times 5 = 20$ 

4 rows of 5 items each = 20

Exercise

2

Notice then complete :



Number of sets .....

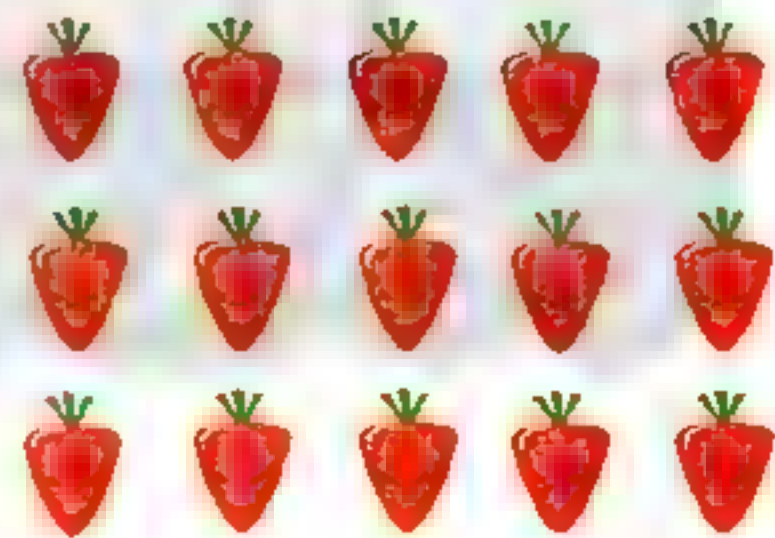
Number of items in each set 5

Repeated addition =

$$..... + ..... + ..... = .....$$

Its mean  $..... \times ..... = 20$ 

..... sets of ..... items = .....



Number of rows 3

Number of items in each .....

Repeated addition =

$$..... + ..... + ..... = .....$$

Its mean  $..... \times ..... = .....$ 

..... rows of ..... items each = .....

Primary 3 - Term 1

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## Chapter 2

## Exercise 3 Complete :



Number of rows .....

Repeated addition .....

Multiplication  $\times =$  .....

## Exercise 4 Complete :

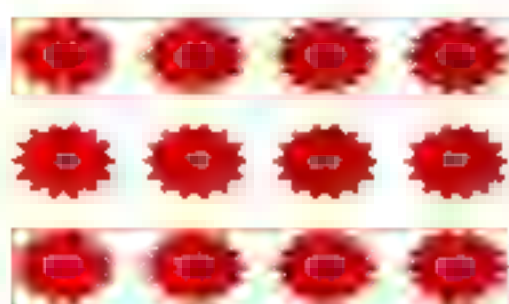


Number of sets .....

Repeated addition .....

Multiplication  $\times =$  .....

## Exercise 5 Complete :



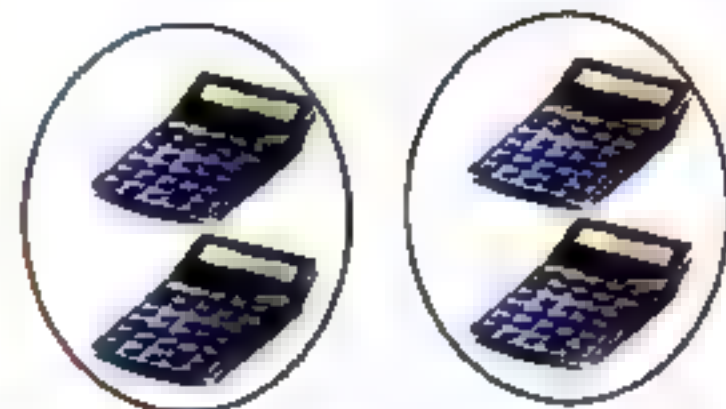
Using Rows

Number of rows .....

Repeated addition .....

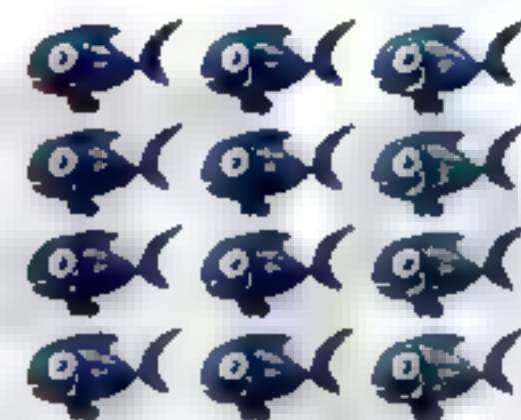
Multiplication  $\times =$  .....

Bakkar Series



Number of sets .....

Repeated addition .....

Multiplication  $\times =$  .....

Number of rows .....

Repeated addition .....

Multiplication  $\times =$  .....

Using columns

Number of columns .....

Repeated addition .....

Multiplication  $\times =$  .....



BAKKAR

The thousands - Multiplication

Activity 4 Find  $5 \times 7$  :

♦ Skip count by 7s strategy



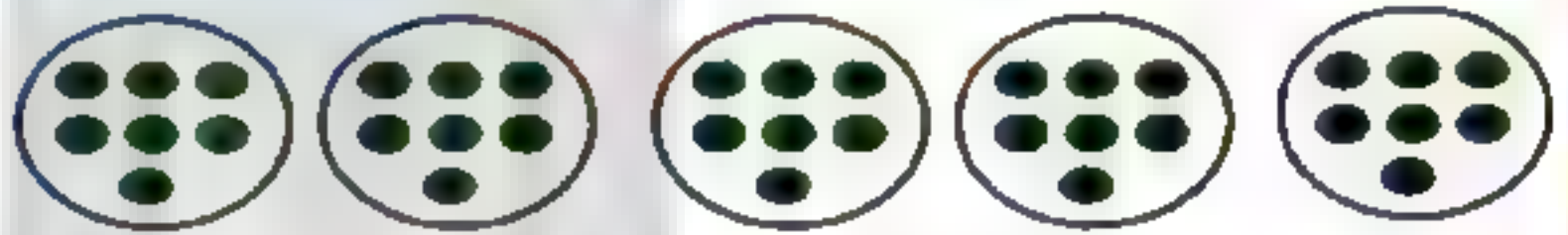
Count ( 7 ) , five time to get 35

$$7 + 7 + 7 + 7 + 7 = 35$$



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♦ Circles and dots strategy



$$7 + 7 + 7 + 7 + 7 = 35$$

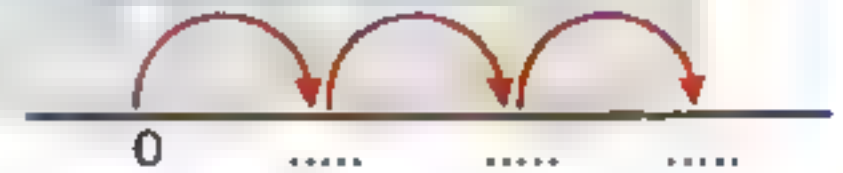
♦ Array strategy

$$7 + 7 + 7 + 7 + 7 = 35$$

Exercise 6 Find the product of  $3 \times 4$  show your strategy :

♦ Skip count strategy by 4s

$$4 + 4 + 4 = \dots\dots\dots$$



♦ Circle and dots strategy

$$4 + 4 + 4 = \dots\dots\dots$$



♦ Array strategy

$$4 + 4 + 4 = \dots\dots\dots$$



Primary 3 - Term 1

72

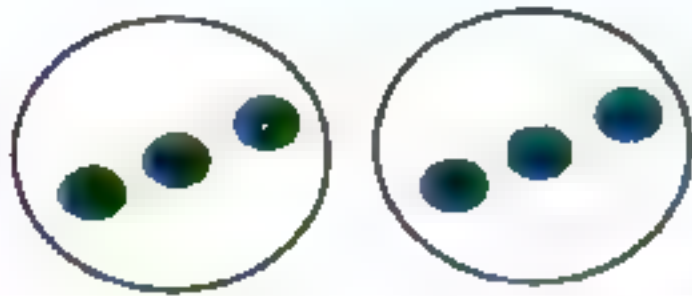


هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى



## Self - check on lesson (17, 18)

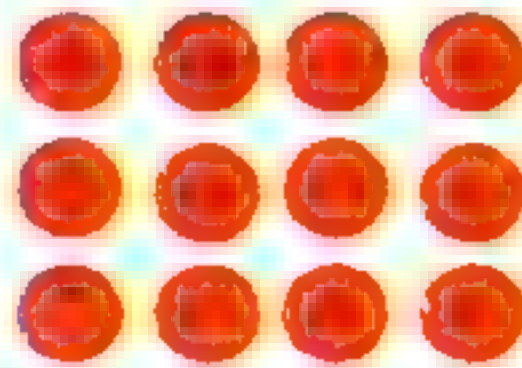
1 Write the equation of addition and multiplication :



Number of sets

Repeated addition

Multiplication  $\times =$



Number of rows

Repeated addition

Multiplication  $\times =$



Number of rows

Repeated addition

Multiplication  $\times =$



Number of sets

Repeated addition

Multiplication  $\times =$



Number of rows

Repeated addition

Multiplication  $\times =$



Number of rows

Repeated addition

Multiplication  $\times =$

Bakkar Series

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BAKKAR

The thousands - Multiplication

2 Find the number of all items using rows :



Number of rows

Repeated addition

Multiplication  $\times =$ 

Number of rows

Repeated addition

Multiplication  $\times =$ 

Number of rows

Repeated addition

Multiplication  $\times =$ 

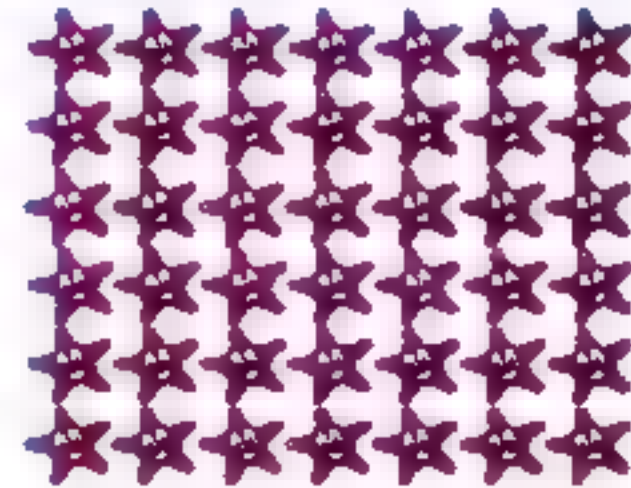
Number of rows

Repeated addition

Multiplication  $\times =$ 

Number of rows

Repeated addition

Multiplication  $\times =$ 

Number of rows

Repeated addition

Multiplication  $\times =$

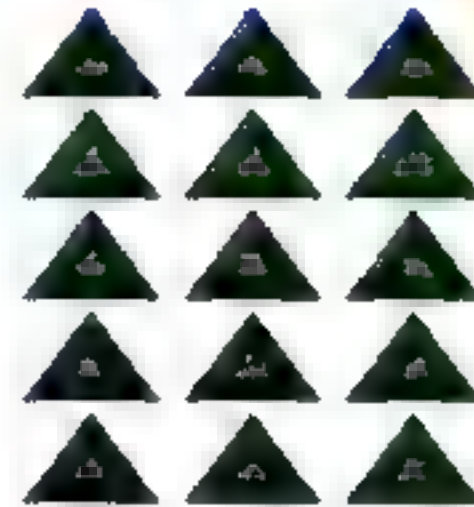
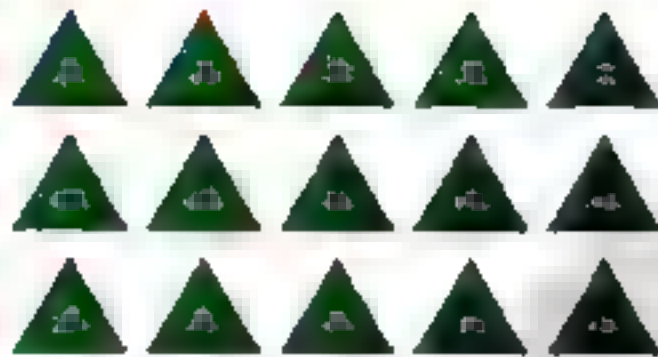


## Lesson

( 19 , 20 )

Commutative property  
of multiplication

Activity 1 Notice and complete :

Math  
Journal

Number of rows

Number of columns

Total number of items

Rows  $\times$  Columns = product

$$\times \quad \dots \quad = \quad \dots$$

Number of rows

Number of columns

Total number of items

Rows  $\times$  Columns = product

$$\times \quad \dots \quad = \quad \dots$$

Notice commutative is verifier :  $3 \times 5 = 5 \times 3 = 15$ 

Activity 2 Notice and complete :

Math  
Journal

Number of rows

Number of columns

Total number of items

Rows  $\times$  Columns = product

$$\times \quad \dots \quad = \quad \dots$$

Number of rows

Number of columns

Total number of items

Rows  $\times$  Columns = product

$$\times \quad \dots \quad = \quad \dots$$

Notice commutative is verifier :  $1 \times 8 = 8 \times 1 = 8$ 

Bakkar Series

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BAKKAR

The thousands - Multiplication

Exercise

1

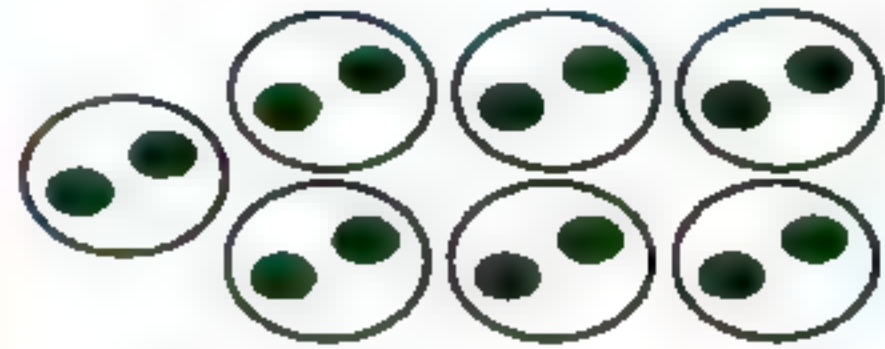
Notice and complete :



Number of circles

Number of dots

Total number

Circles  $\times$  dots = product
 $\times$  =


Number of circles

Number of dots

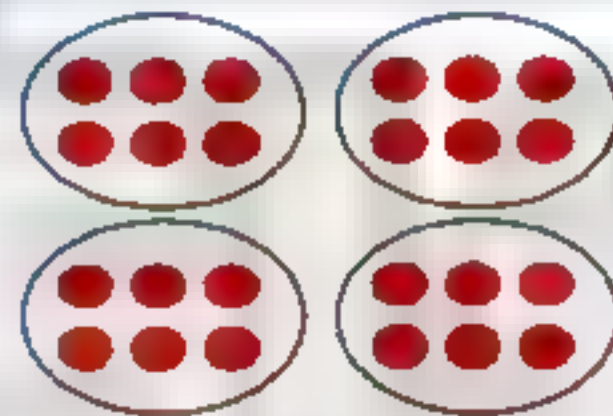
Total number

Circles  $\times$  dots = product
 $\times$  =


Number of circles

Number of dots

Total number

Circles  $\times$  dots = product
 $\times$  =


Number of circles

Number of dots

Total number

Circles  $\times$  dots = product
 $\times$  =


Number of circles

Number of dots

Total number

Circles  $\times$  dots = product
 $\times$  =


Number of circles

Number of dots

Total number

Circles  $\times$  dots = product
 $\times$  =

Primary (3) - Term 1

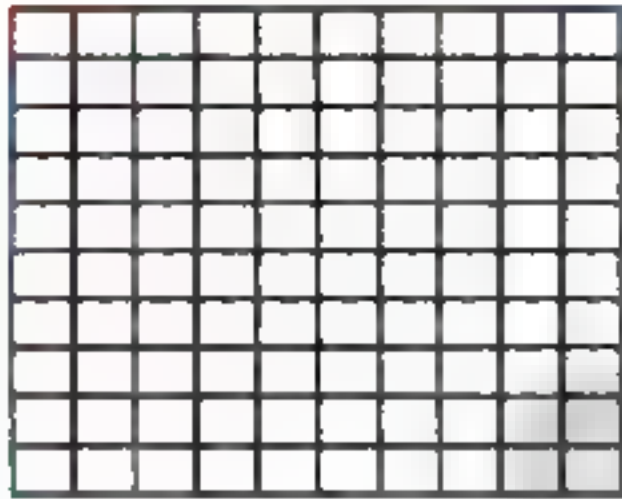
26



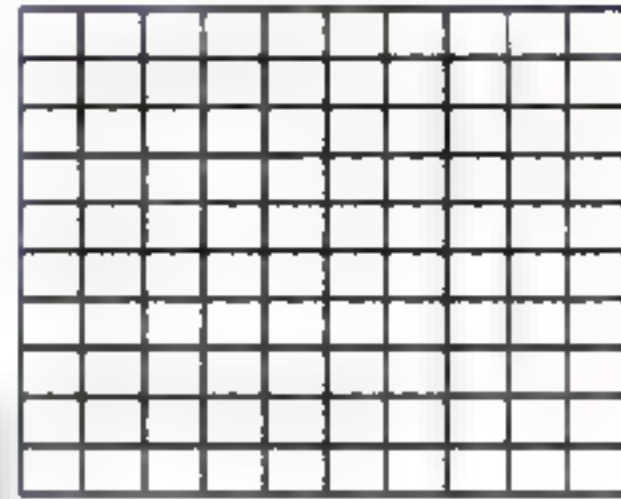
# Chapter 2

**Exercise 2** Draw arrays that prove the commutative property of multiplication :

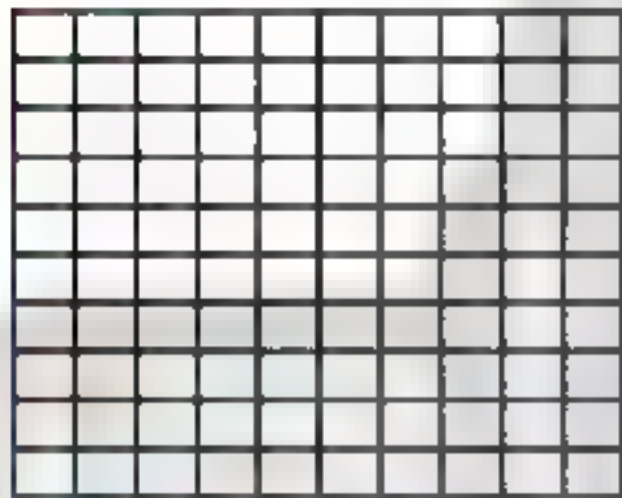
$$2 \times 7 = \dots$$



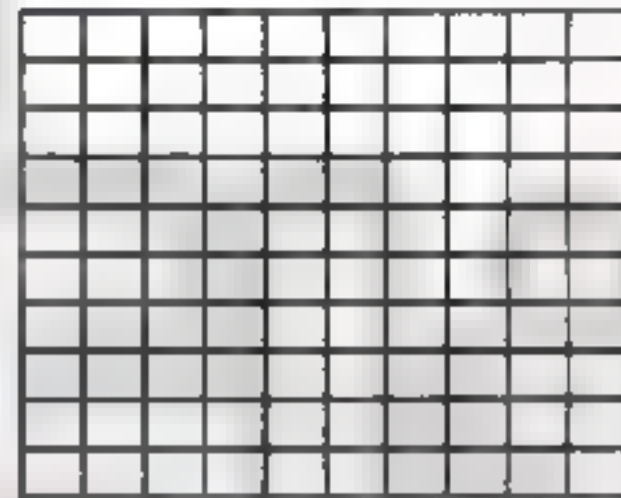
$$7 \times 2 = \dots$$



$$5 \times 3 = \dots$$



$$3 \times 5 = \dots$$



**Activity 3** Use a die to form array :

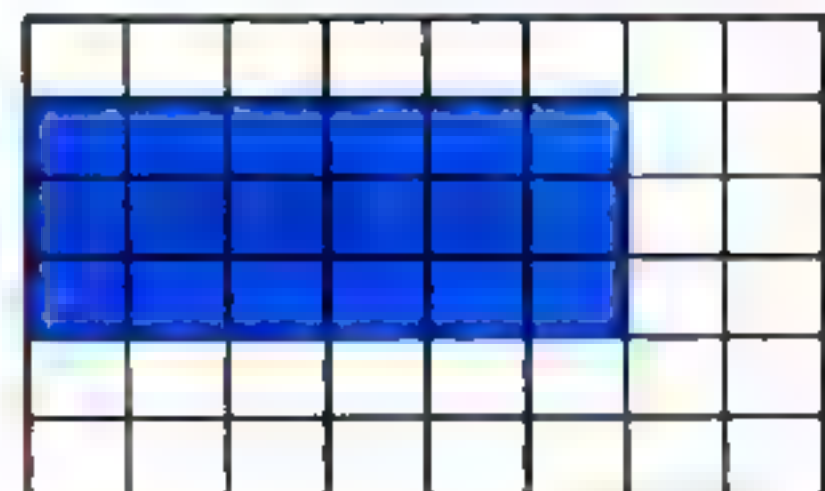
- Roll the die one time that is the number of rows.
- Roll the die second time that is the number of columns.

First roll : 3 → 3 rows.

Second roll : 6 → 6 columns.

- Number of array squares =  $3 \times 6 = 18$
- Number of empty squares = 30

The first player board



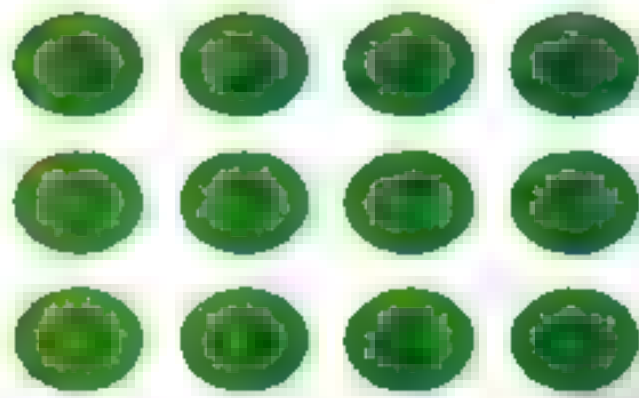
**Bakkar Series**





## Self - check on lesson (19, 20)

1 Write the multiplication and addition equation :



Number of rows

Repeated addition

Multiplication  $\times =$ 

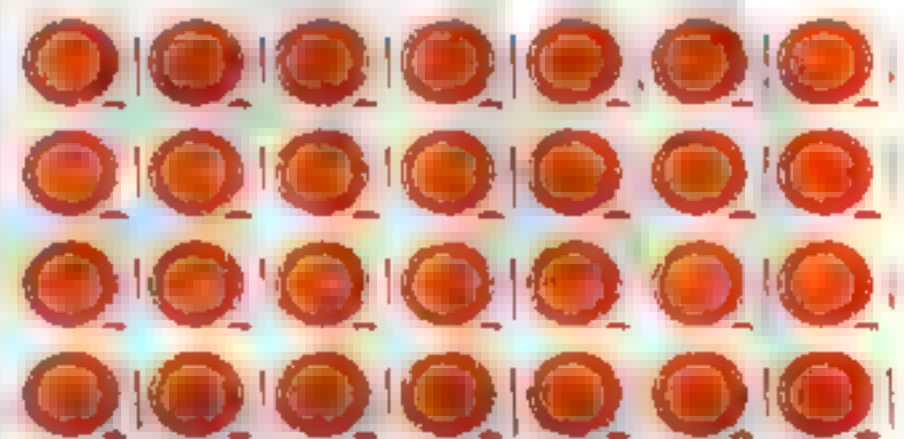
Number of rows

Repeated addition

Multiplication  $\times =$ 

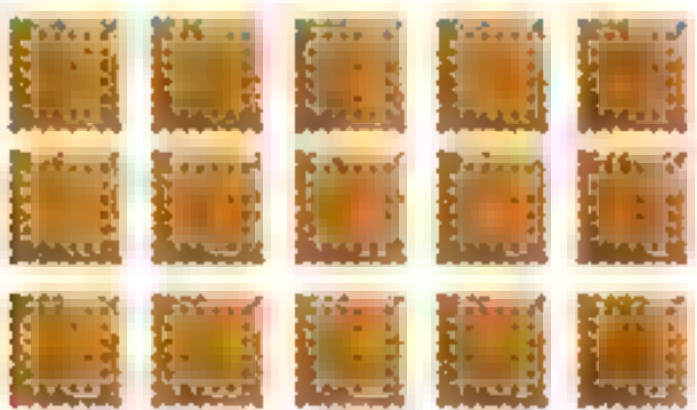
Number of rows

Repeated addition

Multiplication  $\times =$ 

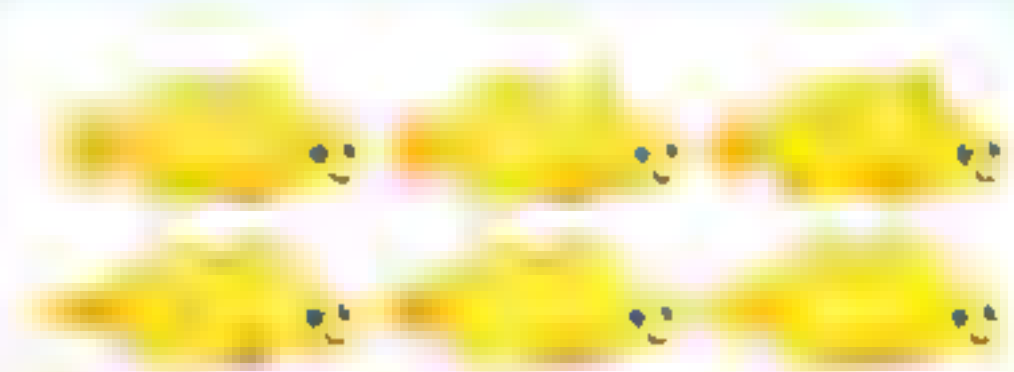
Number of rows

Repeated addition

Multiplication  $\times =$ 

Number of rows

Repeated addition

Multiplication  $\times =$ 

Number of rows

Repeated addition

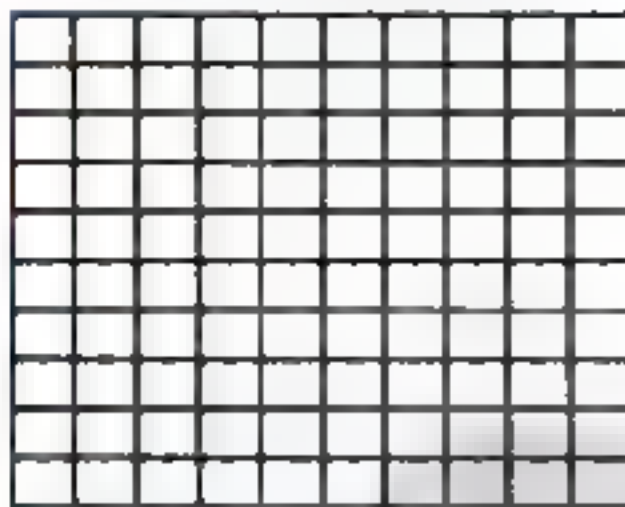
Multiplication  $\times =$



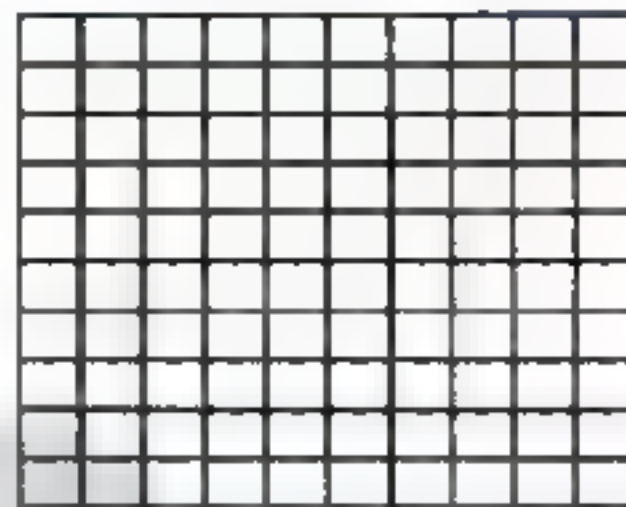
## Chapter 2

2 Colour according to the multiplication :

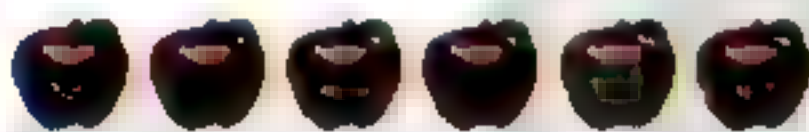
$$6 \times 4 = \dots\dots$$



$$4 \times 6 = \dots\dots$$



3 Use 6 apples to make different arrays then write the multiplication equation :



Multiplication  $\times$  =

Multiplication  $\times$  =



Multiplication  $\times$  =



Multiplication  $\times$  =



4 As the same way use 10 apples to make different arrays then write the multiplication equation :

Bakkar Series

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## Self - check 1 Chapters 2

1 Complete the following :

- (a) ..... + ..... + ..... + 5 = 2 375
- (b) The place value of ( 5 ) in 29 531 is .....
- (c) 45 thousand = ..... ( standard form )
- (d) 5 hundreds , 3 thousands , eleven ..... in digits.
- (e) The number just after 7 999 is .....

2 Arrange the following numbers in an ascending order :

- (a) 9 157 , 9 517 , 9 751 , 9 715 , 9 175

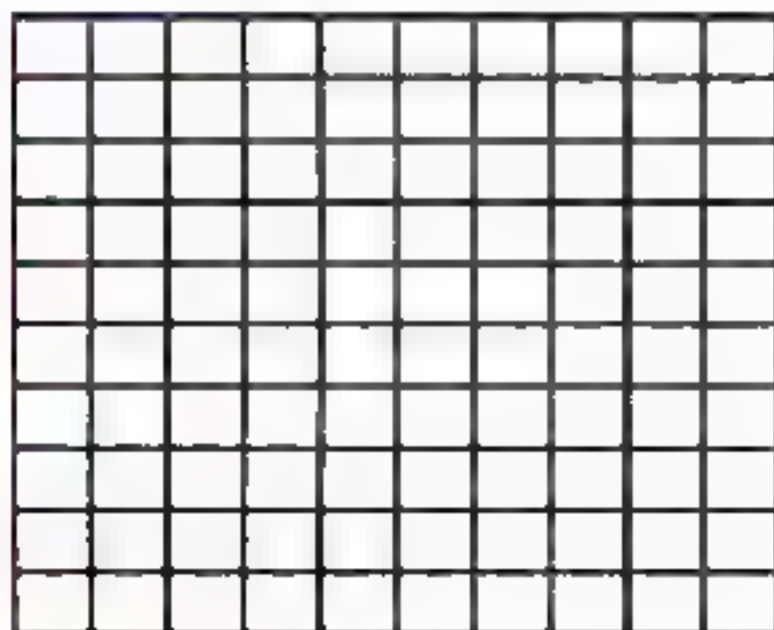
The order : .....

- (b) 30 003 , 30 300 , 33 000 , 30 000 , 30 303

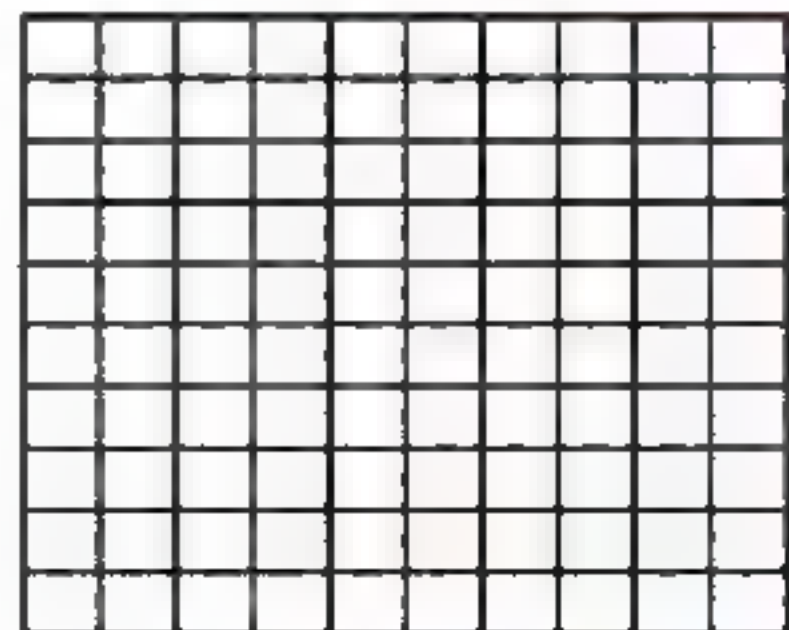
The order : .....

3 Colour according to the product :

$$9 \times 5 = \dots$$



$$5 \times 9 = \dots$$





## Self - check 2 Chapter 1, 2

1 Choose the correct answer :

- (a) The greatest number can be formed from (0, 1, 3, 9) is ....  
( 1 390 , 9 310 , 1 039 )
- (b)  $43\ 760 = 40\ 000 + 3000 + \dots$   
( 76 , 700 , 760 )
- (c) The value of 7 in 17500 is .....  
( 70000 , 7000 , 7 )
- (d) 89 thousands = ..  
( 890 , 89 000 , 98 000 )
- (e) The place value of (9) in 29 531 is .....  
( ones , hundreds , thousand )

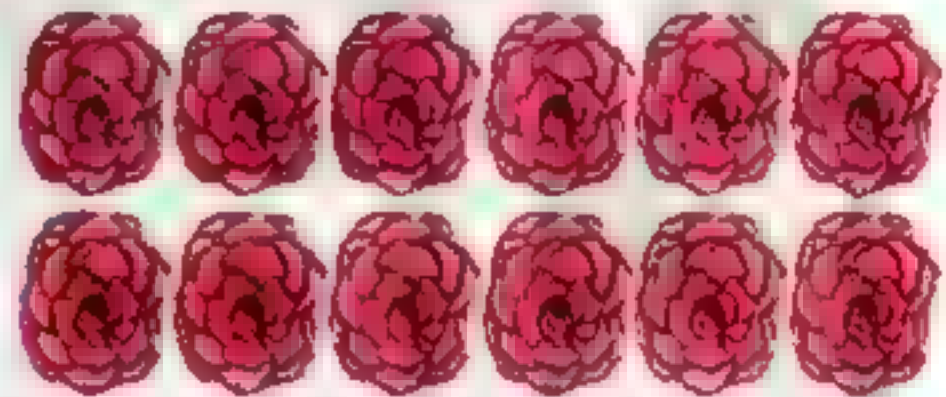
2 Write the equation of addition and multiplication :



Number of columns

Repeated addition

Multiplication  $\times =$



Number of rows

Repeated addition

Multiplication  $\times =$

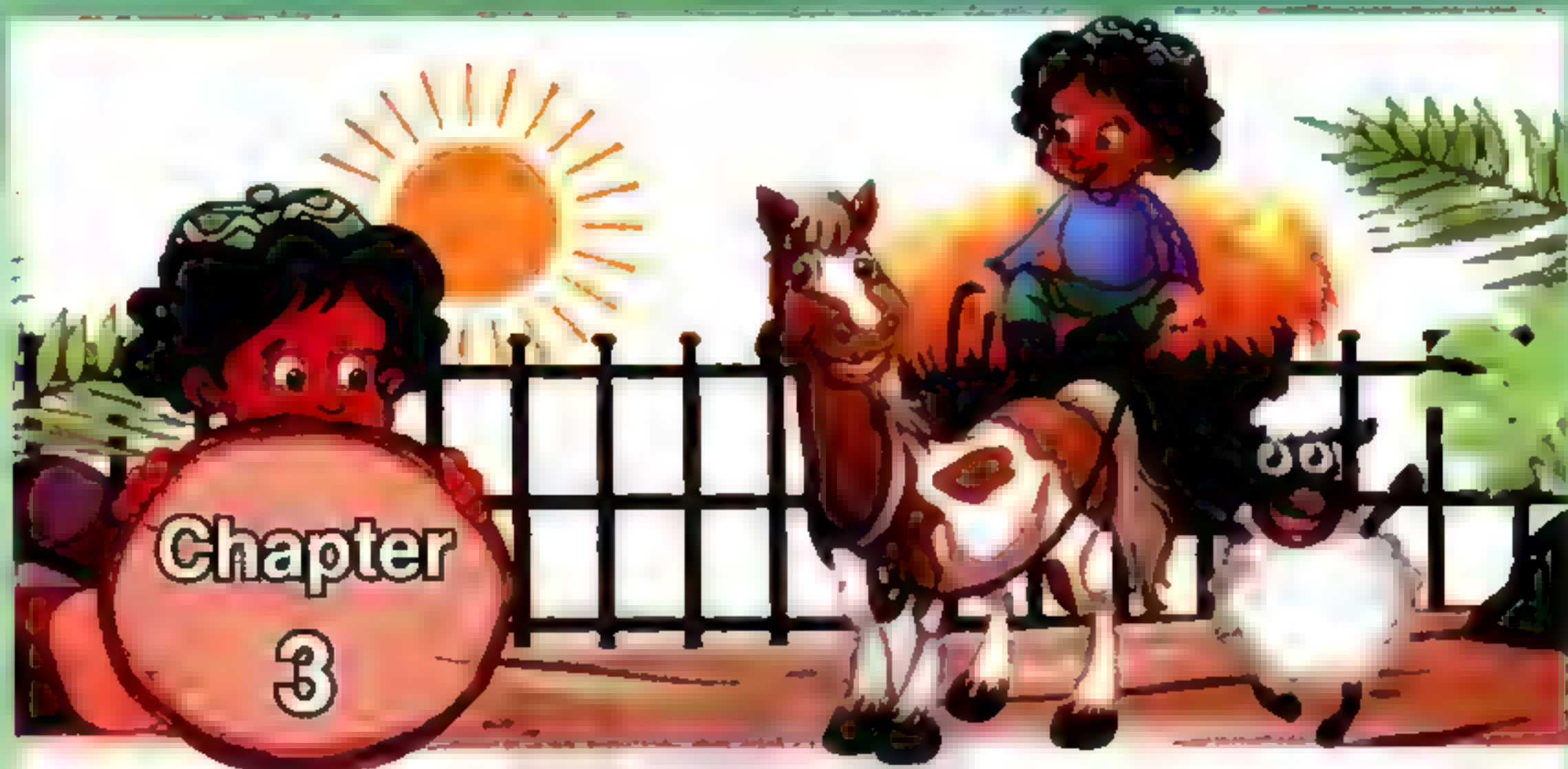
3 Use 8 apples to make different arrays then write multiplication equation for each :

For more exercises follow the Bakkar Self-check page 1210

Bakkar Series

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## Multiplication facts

### Key Vocabulary

A Question	مسألة
Clock	ساعة
Commutative	خاصية الإبدال
Division	القسمة
Equal	المتساوي
Equal groups	مجموعات متساوية
Every	كل
Factors	العوامل
Facts	الحقائق

Fair share	نصيب عادل
Half an hour	نصف ساعة
Minute	دقيقة
Modelling	النمذجة
Multiples	المضاعفات
Quotient	خارج القسمة
Split	تقسيم
Time	الوقت

### Content



Exercise  
inspired from  
Discover



## Lesson

( 21 , 22 )

Story problems on multiplying  
( Multiplication facts by 4 )**Activity 1** Notice the difference between addition and multiplication :

- (a) Amer has 3 dates and his mother gave him another 5 dates .

Number of dates with Amer = 3 + 5 = 8 dates



- (b) Amer has 3 bags of 4 pieces of fig each .

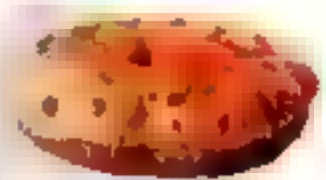
Number of figs with Amer = 4 + 4 + 4 = 12 pieces ( Addition facts )

or  $3 \times 4 = 12$  pieces ( Multiplication )

**Activity 2** Answer the following :

Farha went to the store to buy Loaf for a big family dinner .

At the store, she bought 4 bags of Loafs . Each bag contained 5 Loafs.  
How many Loafs did Farha buy ?

**Solution**

Number of Loafs = ... + ... + ... + ... = ... ( Addition facts )

or  $= 4 \times \dots = 20$  pieces ( Multiplication ) .

**Exercise 1** Notice and complete the pattern :

On Samira's walk home she saw 6 cars. If each car has 4 wheels, how many wheels did she see in all ?

**Solution**

Number of wheels = + + + + + ... = ... wheels ( Addition facts )

or  $= 6 \times \dots = 24$  wheels ( Multiplication )

Bakkar Series

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## Exercise

2

Mariam had 4 sweaters . Each sweater had 3 buttons it.  
How many total buttons are there on all the sweaters ?

Number of buttons = ..... + ..... + ..... + ..... = .... button

(Repeated addition)

or =  $4 \times \dots\dots\dots$  = ..... button ( Multiplication )

## Exercise

3

Rana packed 4 boxes full of cans . Each box had 6 cans .  
How many total cans did Rana pack ?

= ..... + ..... + ..... + ..... = ..... box ( Repeated addition )

or =  $4 \times \dots\dots\dots$  = ..... box ( Multiplication )

## Exercise

4

Amir hiked for 4 days over the summer .  
Each day he hiked 7 km.

How many km did he hike in all ?

Number of km = ... + ..... + ... + ... = ... km

( Repeated addition )

or =  $4 \times \dots\dots\dots$  = ..... km ( Multiplication )

## Exercise

5

Each pack of pencils contains 8 pencils .  
How many pencils are in 4 packs ?

number of pencils = ..... + ..... + ..... + ..... = ..... pencils

(repeated addition)

or =  $4 \times \dots\dots\dots$  = ..... pencils ( Multiplication )



## Chapter 3



Skip-count by 4s (multiples of 4)

0, 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Multiplication facts of 4

$$4 \times 0 = 0$$

$$4 \times 1 = 4$$

$$4 \times 2 = 8$$

$$4 \times 3 = 12$$

$$4 \times 4 = 16$$

$$4 \times 5 = 20$$

$$4 \times 6 = 24$$

$$4 \times 7 = 28$$

$$4 \times 8 = 32$$

$$4 \times 9 = 36$$

$$4 \times 10 = 40$$

$$4 \times 11 = 44$$

$$4 \times 12 = 48$$



Bakkar Series

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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى



## Self - check on lesson ( 21 , 22 )

**1** Answer the following :

- (a)** Manal brought 6 bags of cookies to school . each bag had 3 cookies in it . How many cookies were there all together ?

Number of pieces = ..... piece (repeated addition)  
or = .....  $\times$  ..... = ..... piece ( Multiplication )

- (b)** Sarah has picked flowers for three of her friends and wants to give each of her friend a bouquet of 4 flowers. So what is the total number of flowers that Sarah will need for all the packages ?

Number of flowers = ..... flower (repeated addition)  
or = .....  $\times$  ..... = ..... flower ( Multiplication )

- (c)** Malek runs 3 km each day .

How many km does he run in 7 days ?

Number of km = ..... km (repeated addition)  
or = .....  $\times$  ..... = ..... km ( Multiplication )

- (d)** A rocket needs 7 seconds to travel one kilometre .

How many seconds will it need to travel 4 kilometres

Number of seconds = ..... second (repeated addition)  
or = .....  $\times$  ..... = ..... second ( Multiplication )

- (e)** A bag of oranges holds 4 oranges ,how many oranges are in 8 bags ?

Number of oranges = ..... orange (repeated addition)  
or = .....  $\times$  ..... = ..... orange ( Multiplication )



## Chapter 3

2 Answer the following :

a  $4 \times 5 = \dots\dots\dots$

b  $4 \times 9 = \dots\dots\dots$

c  $4 \times 2 = \dots\dots\dots$

d  $4 \times 7 = \dots\dots\dots$

e  $4 \times 6 = \dots\dots\dots$

f  $4 \times 1 = \dots\dots\dots$

g  $4 \times 8 = \dots\dots\dots$

h  $4 \times 12 = \dots\dots\dots$

i  $4 \times 3 = \dots\dots\dots$

j  $4 \times 4 = \dots\dots\dots$

تابع جديد ذاكرولي على  
فيسبوك  
تويتر  
والسناب  
التيجرام

3 Answer the following :

$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

4 Write the missing number :

$$\begin{array}{r} \dots\dots\dots \\ \times 4 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 6 \\ \times \dots\dots\dots \\ \hline 24 \end{array}$$

$$\begin{array}{r} \dots\dots\dots \\ \times 4 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 5 \\ \times \dots\dots\dots \\ \hline 20 \end{array}$$

$$\begin{array}{r} 4 \\ \times \dots\dots\dots \\ \hline 12 \end{array}$$

$$\begin{array}{r} \dots\dots\dots \\ \times 4 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 4 \\ \times \dots\dots\dots \\ \hline 28 \end{array}$$

$$\begin{array}{r} \dots\dots\dots \\ \times 1 \\ \hline 4 \end{array}$$

Bakkar Series

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى



## Lesson

## ( 23 ) Multiples

## Multiplication facts of 2 &amp; 3

## Activity 1 Notice :

any number  $\times 0 = 0$

$8 \times \text{Zero} = \text{Zero}$  ,  $8 + \text{Zero} = 8$

any number  $\times 1 =$  The number itself

$8 \times 1 = 8$  ,  $9 = 1 + 8$

Multiplying  $\times 0$ 

$1 \times 0 = 0$

$2 \times 0 = .$

$3 \times 0 = ..$

$4 \times 0 = ....$

$5 \times 0 = ...$

$6 \times 0 = ...$

$7 \times 0 =$

$8 \times 0 =$

$9 \times 0 = ....$

$10 \times 0 = .....$

$11 \times 0 = .$

$12 \times 0 = ....$

Multiplying  $\times 1$ 

$1 \times 1 = 1$

$2 \times 1 =$

$3 \times 1 = .$

$4 \times 1 =$

$5 \times 1 =$

$6 \times 1 =$

$7 \times 1 =$

$8 \times 1 =$

$9 \times 1 = ..$

$10 \times 1 = .$

$11 \times 1 = ....$

$12 \times 1 = ...$

## Activity 2 Notice the difference :

also :  $215 \times 0 = 0$

$37 \times 0 = 0$

$103 \times 0 = 0$

$9417 \times 0 = 0$

$215 \times 1 = 215$

$37 \times 1 = 37$

$103 \times 1 = 103$

$9417 \times 1 = 9417$



## Chapter 3



Skip-count by 2s ( multiples of 2 )  
0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24

Multiplication facts x 2

$$2 \times 0 = 0$$

$$2 \times 1 = 2$$

$$2 \times 2 = 4$$

$$2 \times 3 = 6$$

$$2 \times 4 = 8$$

$$2 \times 5 = 10$$

$$2 \times 6 = 12$$

$$2 \times 7 = 14$$

$$2 \times 8 = 16$$

$$2 \times 9 = 18$$

$$2 \times 10 = 20$$

$$2 \times 11 = 22$$

$$2 \times 12 = 24$$

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10



Bakkar Series

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هذا العمل خاص بموقع ذاكرولى التعليمى ولا يسمح بتداوله على مواقع أخرى

كتاب بكار

موقع ذاكرولى التعليمى

الصف الثالث الابتدائى



BAKKAR

Multiplication facts



Skip-count by 3s (multiples of 3)

0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Multiplication facts x 3

$3 \times 0 = 0$

$3 \times 1 = 3$

$3 \times 2 = 6$

$3 \times 3 = 9$

$3 \times 4 = 12$

$3 \times 5 = 15$

$3 \times 6 = 18$

$3 \times 7 = 21$

$3 \times 8 = 24$

$3 \times 9 = 27$

$3 \times 10 = 30$

$3 \times 11 = 33$

$3 \times 12 = 36$



Primary 3 - Term 1

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ذاكرولى

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى

كتاب بكار

موقع ذاكرولى التعليمي

الصف الثالث الابتدائي



## Chapter 3

**Activity 3** From the common multiplies for 2 and 3 :

The common factors : 0, 6, 12, 18, 24 , , 120

- (a) All of factor are even numbers
- (b) Skip-count by 6s
- (c) Write a multiple for 2 and 3 and more than 120 .

The solution : the multiple is 126

**Exercise \*** Answer the following :

- (a) How many wings are there in 9 birds ?

**Solution** Number of wings = ..... ×  
= ..... wings

- (b) The price of a doll is LE 8 .  
What is the price of 2 dolls ?

**Solution** Price of 2 dolls = ..... ×  
= ..... pounds

- (c) If every student has to plant two trees in a school garden as a beauty school activity.  
How many trees planted by 7 students?

**Solution** Number of trees = ..... ×  
= ..... trees

- (d) Gerges bought 3 kg of dates with 6 pounds each kg. What is the price of the dates?

**Solution** The price of the dates = ..... ×  
= ..... pounds

**Bakkar Series**





## Self - check on lesson ( 23 )

1 Find the product of the following :

a  $3 \times 0 = \dots\dots\dots$

b  $3 \times 2 = \dots\dots\dots$

c  $3 \times 9 = \dots\dots\dots$

d  $3 \times 6 = \dots\dots\dots$

e  $3 \times 11 = \dots\dots\dots$

f  $3 \times 8 = \dots\dots\dots$

g  $3 \times 4 = \dots\dots\dots$

h  $3 \times 5 = \dots\dots\dots$

i  $3 \times 7 = \dots\dots\dots$

j  $3 \times 12 = \dots\dots\dots$

k  $3 \times 3 = \dots\dots\dots$

l  $3 \times 1 = \dots\dots\dots$

2 Complete the following :

$\begin{array}{c} 3 \\ 3 \end{array}$   
.....

$\begin{array}{c} 3 \\ 8 \end{array}$   
.....

$\begin{array}{c} 3 \\ 7 \end{array}$   
.....

$\begin{array}{c} 3 \\ 9 \end{array}$   
.....

$\begin{array}{c} 3 \\ 2 \end{array}$   
.....

$\begin{array}{c} 3 \\ 6 \end{array}$   
.....

$\begin{array}{c} 3 \\ 0 \end{array}$   
.....

$\begin{array}{c} 3 \\ 1 \end{array}$   
.....

$\begin{array}{c} 3 \\ 5 \end{array}$   
.....

$\begin{array}{c} 3 \\ 4 \end{array}$   
.....

$\begin{array}{c} 2 \\ 4 \end{array}$   
.....

$\begin{array}{c} 3 \\ 10 \end{array}$   
.....

$\begin{array}{c} 2 \\ 8 \end{array}$   
.....

$\begin{array}{c} 1 \\ 2 \end{array}$   
.....

$\begin{array}{c} 2 \\ 5 \end{array}$   
.....

Primary (3) - Term 1

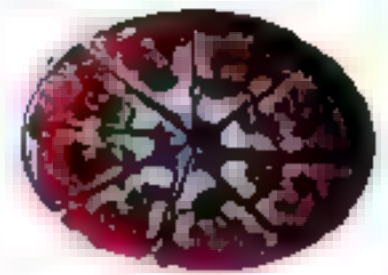


## Chapter 3



**3 Answer the following :**

- a** If the box of cheese has 8 pieces , how many pieces in 3 boxes ?



**Solution** Number of pieces = .....  $\times$  8  
= ..... pieces.

- b** Mohammed bought 9 pens and the price of a pen was 3 pounds.



How much are the pens cost ?

**Solution** The price of the pens = .....  $\times$  9  
= ..... pounds.

- c** How many days in 2 weeks ?

**Solution** Number of days in 2 weeks = 2  $\times$  .....  
= ..... days.

- d** How many legs are there in 3 chickens ?



**Solution** Number of legs = 3  $\times$  .....  
= ..... legs.

- e** If the fan has 3 feather , find the number of feather in 5 fans:



**Solution** Number of feathers = .....  $\times$  .....  
= ..... feather .

**Bakkar Series**

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4 Complete using ( $<$ ,  $>$ ,  $=$ )

a  $3 \times 1$   4

b  $2 \times 8$   8

c  $3 \times 4$   12

d  $3 \times 7$   20

e  $3 \times 5$   14

f  $12 \times 0$   12

g  $1 \times 4$   5

h  $3 + 7$    $2 \times 3$

5 Complete using ( $+$ ,  $\times$ ,  $-$ )

a  $3$    $7 = 21$

b  $7$    $3 = 10$

c  $7$    $3 = 4$

d  $3$    $0 = 0$

e  $2$    $5 = 10$

f  $2$    $5 = 7$

g  $5$    $2 = 3$

h  $3$    $9 = 12$

i  $3$    $9 = 27$

j  $8$    $3 = 24$

k  $3$    $0 = 3$

l  $3$    $4 = 7$



## Lesson

( 24 )

- First -  
Multiples of numbers 5, 10

Skip-count by 5s ( multiples of 5 )

0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

## Multiplication facts x 5

$5 \times 0 = 0$

$5 \times 1 = 5$

$5 \times 2 = 10$

$5 \times 3 = 15$

$5 \times 4 = 20$

$5 \times 5 = 25$

$5 \times 6 = 30$

$5 \times 7 = 35$

$5 \times 8 = 40$

$5 \times 9 = 45$

$5 \times 10 = 50$

$5 \times 11 = 55$

$5 \times 12 = 60$



Bakkar Series

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BAKKAR

## Multiplication facts



Skip-count by 10s (multiples of 10)

0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Multiplication facts x 10

$10 \times 0 = 0$

$10 \times 1 = 10$

$10 \times 2 = 20$

$10 \times 3 = 30$

$10 \times 4 = 40$

$10 \times 5 = 50$

$10 \times 6 = 60$

$10 \times 7 = 70$

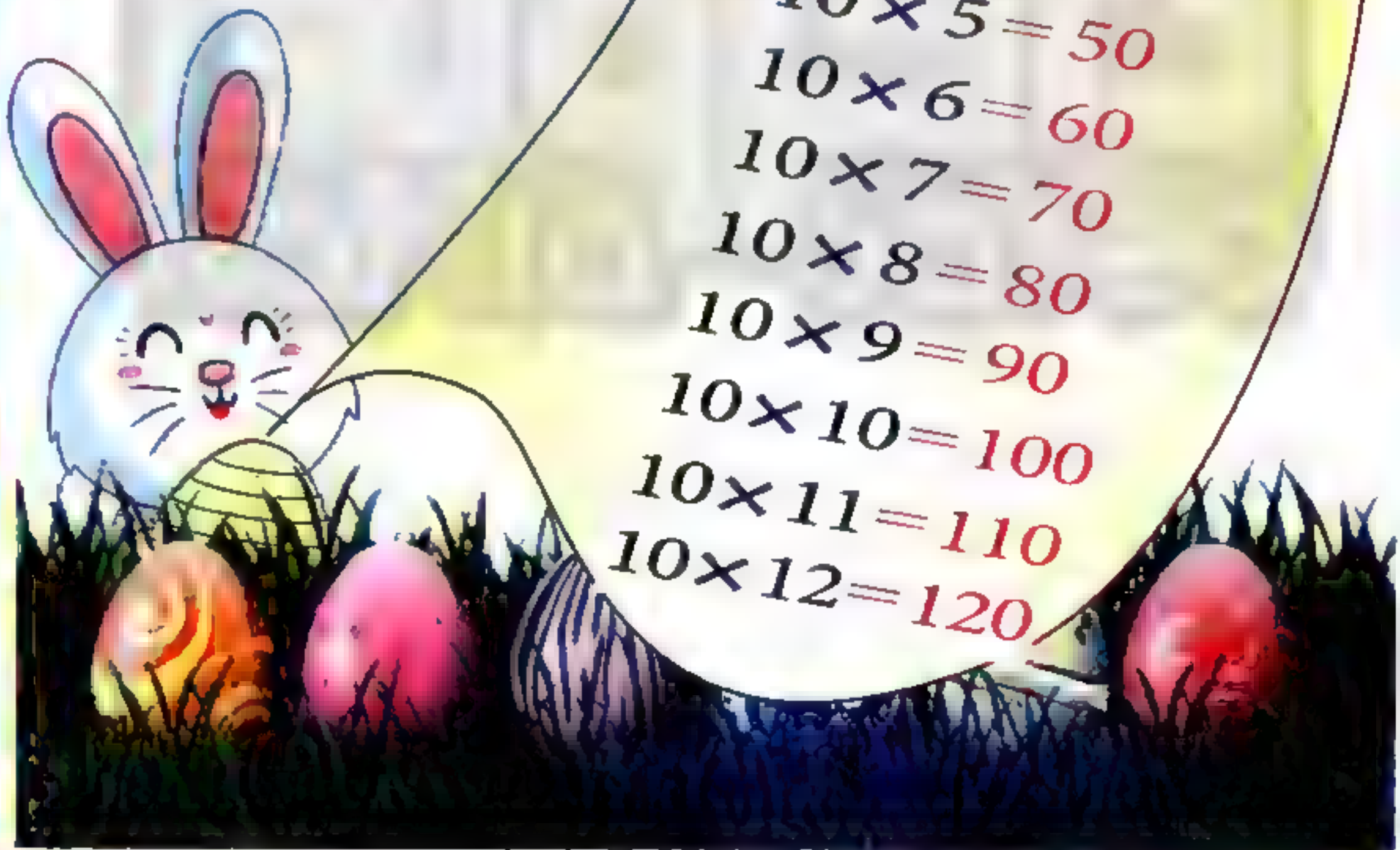
$10 \times 8 = 80$

$10 \times 9 = 90$

$10 \times 10 = 100$

$10 \times 11 = 110$

$10 \times 12 = 120$



Primary 3 - Term 1

96



## Self - check on lesson (24 - First)

1 Find the product of the following :

a  $5 \times 0 =$

b  $10 \times 2 =$

c  $10 \times 1 =$

d  $5 \times 11 =$

e  $5 \times 4 =$

f  $5 \times 5 =$

g  $5 \times 6 =$

h  $10 \times 5 =$

i  $10 \times 8 =$

j  $5 \times 10 =$

k  $10 \times 6 =$

l  $10 \times 3 =$

2 Complete the following :

$\begin{array}{c} 5 \\ 7 \end{array}$   
....

$\begin{array}{c} 3 \\ 5 \end{array}$   
...

$\begin{array}{c} 5 \\ 2 \end{array}$   
.....

$\begin{array}{c} 5 \\ 9 \end{array}$   
....

$\begin{array}{c} 5 \\ 0 \end{array}$   
....

$\begin{array}{c} 4 \\ 5 \end{array}$   
...

$\begin{array}{c} 5 \\ 6 \end{array}$   
....

$\begin{array}{c} 5 \\ 5 \end{array}$   
..

$\begin{array}{c} 5 \\ 3 \end{array}$   
....

$\begin{array}{c} 5 \\ 8 \end{array}$   
...

$\begin{array}{c} 7 \\ 4 \end{array}$   
....

$\begin{array}{c} 3 \\ 3 \end{array}$   
..

$\begin{array}{c} 4 \\ 2 \end{array}$   
.....

$\begin{array}{c} 3 \\ 0 \end{array}$   
....

$\begin{array}{c} 1 \\ 2 \end{array}$   
..

Bakkar Series

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BAKKAR

## Multiplication facts

3 Write the missing number :

a  $3 \times \dots = 30$

b  $\dots \times 5 = 50$

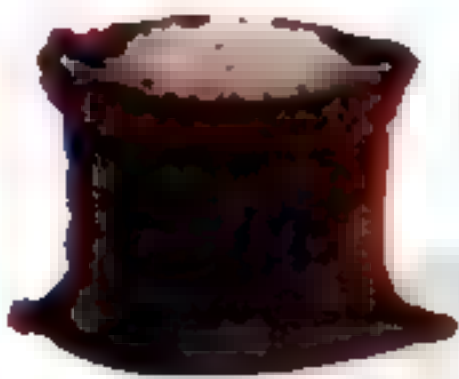
c  $10 \times \dots = 60$

d  $\dots \times 6 = 36$

e  $2 \times \dots = 18$

f  $5 \times \dots = 20$

4 Look at the lest price then complete :

Rice  
5 LEoil  
9 LEbread  
1 LElentil  
10 LEcheese  
4 LE

a The price of 5 bottles of oil  $= 5 \times \dots = \dots$  ponds

b The price of 5 kilogram of lentil  $= 5 \times \dots = \dots$  ponds

c The price of 8 kilogram of rice  $= 8 \times \dots = \dots$  ponds

d The price of 10 boxes of cheese  $= 10 \times \dots = \dots$  ponds

e The price of 4 loaves of bread  $= 4 \times \dots = \dots$  ponds



## Lesson

( 24 )

-Second-  
multiplication facts of 7

Activity

1

Skip-count by 7s

Complete the multiplication facts of 7

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Multiplication facts x 7

$7 \times 0 = 0$

$7 \times 1 = 7$

$7 \times 2 = \dots$

$7 \times 3 = 21$

$7 \times 4 = \dots$

$7 \times 5 = \dots$

$7 \times 6 = \dots$

$7 \times 7 = \dots$

$7 \times 8 = \dots$

$7 \times 9 = \dots$

$7 \times 10 = 70$

$7 \times 11 = \dots$

$7 \times 12 = 84$

Bakkar Series

99

هذا العمل خاص بموقع ذاكرولى التعليمى ولا يسمح بتداوله على مواقع أخرى

ذاكرولى

كتاب بحار

موقع ذاكرولى التعليمى

الصف الثالث الابتدائى



## Self - check on lesson (24 - Second)

1 From the multiplication facts complete :

a  $7 \times 6 =$

c  $4 \times 7 =$

e  $7 \times 0 =$

g  $7 \times 3 =$

i  $7 \times 5 =$

k  $3 \times 8 =$

b  $7 \times 7 =$

d  $7 \times 1 =$

f  $7 \times 2 =$

h  $7 \times 8 =$

j  $7 \times 4 =$

l  $2 \times 5 =$

2 Complete the following :

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 2 \times \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

3 Complete in the same pattern :

a 0, 7, 14, , ,

b 63, 56, 49, , ,

c 28, , 42, 49, , ,

d 49, 42, , , 21, ,

تابع جديد ذاكرولي على  
فيسبوك  
تويتر  
والس اب  
تليجرام



## Chapter 3

## 4 Complete using (+, ×, -) :

a  $7 \bigcirc 1 = 8$

b  $7 \bigcirc 1 = 6$

c  $7 \bigcirc 1 = 7$

d  $7 \bigcirc 7 = 49$

e  $7 \bigcirc 0 = \text{zero}$

f  $7 \bigcirc 0 = 7$

g  $3 \bigcirc 7 = 20 \bigcirc 1$

h  $3 \bigcirc 7 = 9 \bigcirc 1$

i  $7 \bigcirc 2 = 20 \bigcirc 6$

j  $7 \bigcirc 2 = (2 \times 7)$

## 5 Answer the following :

- a Savings are a great business, if Kenzy saves 3 pounds daily .  
How many pounds do Kenzy save in a week ?

**Solution** What Kenzy save in a week =  $3 \times \dots = \dots$  pounds .

- b If the worker works 7 hours a day for 6 days a week .  
How many hours does he work per week ?

**Solution** Number of hours =  $\dots \times \dots = \dots$  hours .

- c How many days in 9 weeks ?

**Solution** Number of days =  $\dots \times 9 = \dots$  days .

- d The third primary class pupils stood in 7 rows in each row  
5 students . How many pupils in the class ?

**Solution** Number of pupils =  $7 \times \dots = \dots$  pupils .

Bakkar Series

101



## Lesson

( 25 )

First : multiplication facts  $\times 6$ 

Factorizing the number into two factors



Skip-count by 6s ( multiples of 6 )

0 , 6 , 12 , 18 , 24 , 30 , 36 , 42 , 48 , 54 , 60 , 66 , 72

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Multiplication facts  $\times 6$ 

$6 \times 0 = 0$

$6 \times 1 = 6$

$6 \times 2 = 12$

$6 \times 3 = 18$

$6 \times 4 = 24$

$6 \times 5 = 30$

$6 \times 6 = 36$

$6 \times 7 = 42$

$6 \times 8 = 48$

$6 \times 9 = 54$

$6 \times 10 = 60$

$6 \times 11 = 66$

$6 \times 12 = 72$





## Chapter 3

Activity

1

From 6 chair make all possible arrays and write the factors of 6 :



Two rows with 3 chair  
 $2 \times 3 = 6$



one row with 6 chair  
 $1 \times 6 = 6$



Six rows with 1 chair  
 $6 \times 1 = 6$



Three rows with 2 chair  
 $3 \times 2 = 6$

Factors of 6 : 1, 2, 3, 6

Exercise

1

From 10 balls make all possible arrays and write the factors of 10 :



Two rows with 5 balls  
 $2 \times 5 = \dots$



one row with 10 balls  
 $1 \times 10 = \dots$



Ten rows with 1 balls  
 $10 \times 1 = \dots$



Five rows with 2 balls  
 $5 \times 2 = \dots$

Factors of 10 : ....., ....., ....., .....

Bakkar Series

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BAKKAR

## Multiplication facts

Exercise

2

From 8 chair make all possible arrays :

\* one row with 8 chair

$1 \times 8 = 8$

X X X X X X X X

\* Two rows with 4 chair

$2 \times 4 = 8$

X X X X  
X X X X

\* Four rows with 2 chair

X X  
X X  
X X  
X X

$4 \times 2 = 8$

\* Eight rows with 1 chair

$8 \times 1 = 8$

X  
X  
X  
X  
X  
X  
X  
X

Factors of 8 : , , ,

Exercise

3

From 9 chair make all possible arrays :

\* one row with 9 chair

$1 \times 9 = 9$

X X X X X X X X X

\* Nine rows with 1 chair

$9 \times 1 = 9$

X  
X  
X  
X  
X  
X  
X  
X  
X

\* Three rows with 3 chair

$3 \times 3 = 9$

X X X  
X X X  
X X X

Factors of 9 : , ,



## Self - check on lesson (25 - First)

1 From multiplication facts complete the following :

a  $6 \times 6 =$

b  $6 \times 7 =$

c  $5 \times 5 =$

d  $6 \times 1 =$

e  $6 \times 0 =$

f  $6 \times 2 =$

g  $6 \times 3 =$

h  $6 \times 8 =$

i  $6 \times 5 =$

j  $6 \times 4 =$

k  $3 \times 7 =$

l  $4 \times 5 =$

2 Complete the following :

$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

3 Complete using [ < , = , > ] :

a  $6 \times 6$    $6 \times 5$

b  $6 \times 2$    $6 \times 3$

c  $6 \times 1$    $6 \times 0$

d  $6 \times 5$    $5 \times 6$

e  $6 \times 8$    $6 \times 9$

f  $(5 \times 5) + 5$    $(6 \times 6) - 6$

Bakkar Series

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( 25 )

### الصف الثالث الابتدائي



## Factorizing the number into two factors

Activity 2 Write the factors of number 9 :



Factors of number 9 : 1, 3, 9

Exercise 1 Complete the factors of the number :



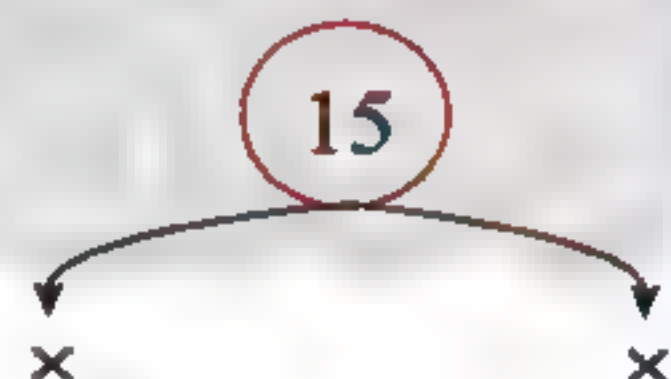
Factors of number 14 are :



Factors of number 10 are :



Factors of number 22 are :



Factors of number 15 are :



Factors of number 18 are :



Factors of number 12 are :



## Self - check on lesson (25 - Second)

1 Answer the following :

a  $8 \times 6 = \dots\dots\dots$

c  $8 \times 4 = \dots\dots\dots$

e  $8 \times 0 = \dots\dots\dots$

g  $8 \times 3 = \dots\dots\dots$

b  $8 \times 7 = \dots\dots\dots$

d  $8 \times 1 = \dots\dots\dots$

f  $8 \times 5 = \dots\dots\dots$

h  $8 \times 8 = \dots\dots\dots$

2 Complete :

$$\begin{array}{r} 8 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

3 Complete with the same pattern :

a  $8, 16, 24, \dots\dots\dots$

b  $64, \dots\dots\dots, 48, \dots\dots\dots, 32$

c  $40, 48, \dots\dots\dots, 64, \dots\dots\dots$

d  $40, 32, \dots\dots\dots, 8$

تابع جديد ذاكرولي على  
فيسبوك  
تويتر  
والسناب  
تليجرام

Bakkar Series

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى



BAKKAR

## Multiplication facts

4

Complete using  $<$ ,  $=$ ,  $>$  :

a  $8 \times 6$   50

b  $8 \times 0$   1

c  $8 \times 5$   40

d  $8 \times 1$   8

e  $8 \times 3$   20

f  $6 \times 3$   20

g  $8 \times 2$   10

h  $7 \times 5$   45

i  $8 \times 7$   56

j  $7 \times 7$   48

5

Answer the following :



تابع جديد زاكروولي على موقعنا

<https://www.zakrooly.com>

- a How many days in 8 weeks?

Solution Number of days =  $8 \times$   =  days .

- b If a family consumes 6 bottles of water per day,
- 
- How many bottles do you consume in 8 days?

Solution Number of litres =  $\times$   =  bottles

- c If the box of cheese contains 8 pieces of cheese triangles,
- 
- How many pieces are in 9 boxes?

Solution Number of pieces =  $8 \times$   =  pieces

- d If the number of legs in one chair is 4 legs,
- 
- How many legs are there in 8 chairs?

Solution The number of legs in 8 chairs =  $\times$    
=  legs

Primary 3 - Term 1

10



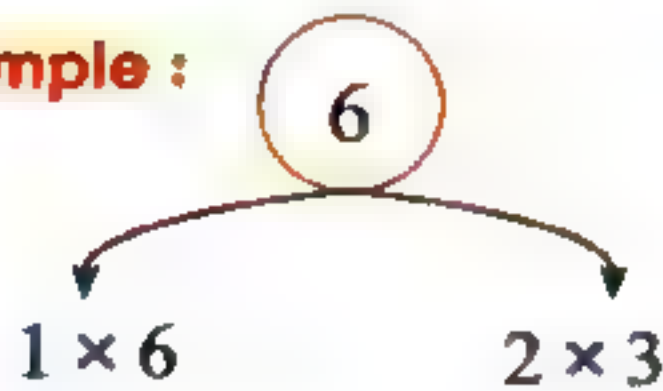
هذا العمل خاص بموقع زاكروولي التعليمي ولا يسمح بتداوله على مواقع أخرى



## Chapter 3

**6** Complete the factors of the number as **Ex** :

**Example :**



Factors of number **6** are : 1, 2, 3, 6



Factors of number **8** are :



Factors of number **35** are :



Factors of number **21** are :



Factors of number **20** are :



Factors of number **16** are :

**7** Complete the Factors of the number :

Number	Factors of number	Number of Factors
5	1, 5	2
4		
11		
26		
28		

**Bakkar Series**





## Lesson

( 26 , 27 )

## The time

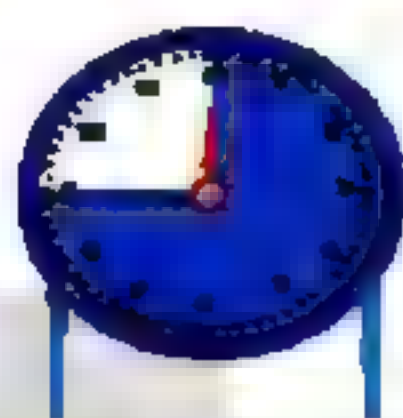
Activity 1 Notice the shaded part of the watch :



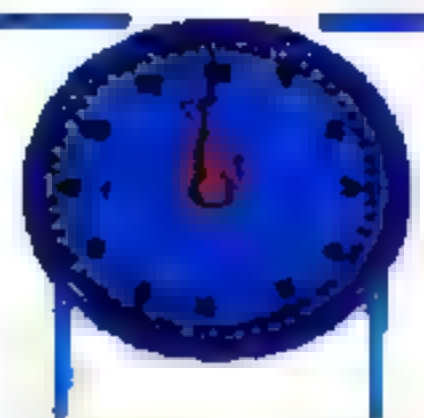
Quarter of an hour  
= 15 minutes



Half an hour  
= 30 minutes



Quarter to an  
hour = 45 minutes



1 hour  
= 60 minutes

Activity 2 Notice the time shown :



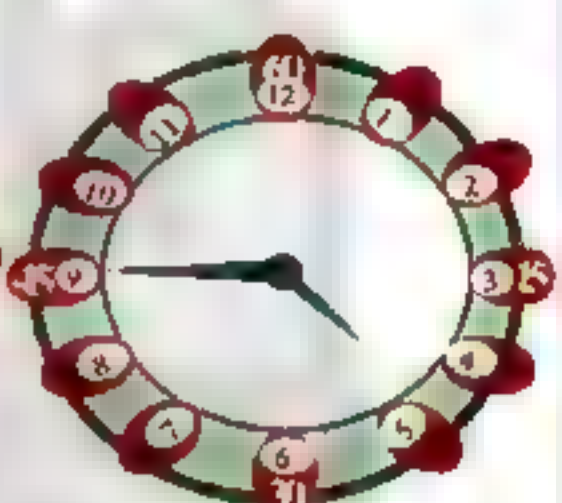
4 : 00



4 : 15



4 : 30



4 : 45

Exercise 1 Draw hands according to the time :



2 : 00



2 : 15



2 : 30



2 : 45

Primary 3 - Term 1



## Chapter 3

## Activity 3 Notice the pattern :



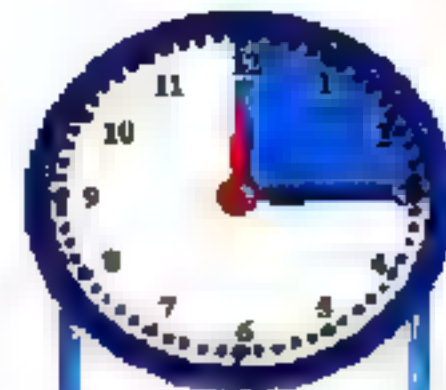
Beginning of  
counting  
Time



5 minutes



10 minutes



15 minutes  
- Quarter  
of an hour



20 minutes  
third of an  
hour



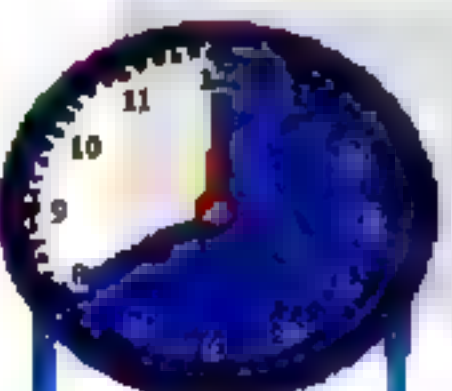
25 minutes



30 minutes  
- Half an  
hour



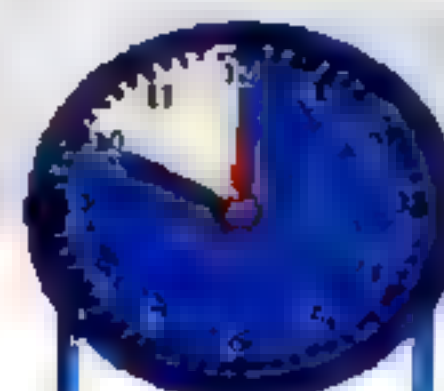
35 minutes



40 minutes



45 minutes



50 minutes



55 minutes



60 minutes  
One hour

Bakkar Series

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BAKKAR

Multiplication facts

تابع جديد ذاكرولى على  
فيسبوك  
لوايلز  
والس اب  
كيجرام

Activity 4 Notice the time :

8 : 00

Eight o'clock



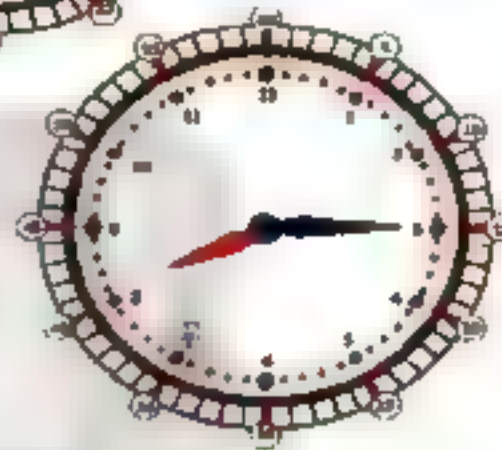
8 : 05

Its : 5 past Eight



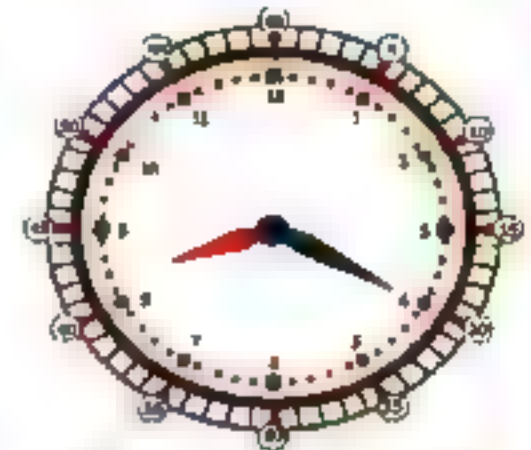
8 : 10

Its : 10 past Eight



8 : 15

Its : quarter past Eight



8 : 20

Its : 20 past Eight



8 : 25

Its : 25 past Eight



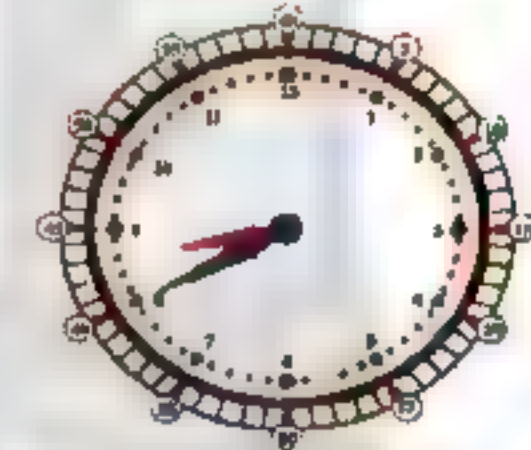
8 : 30

Its : half past Eight



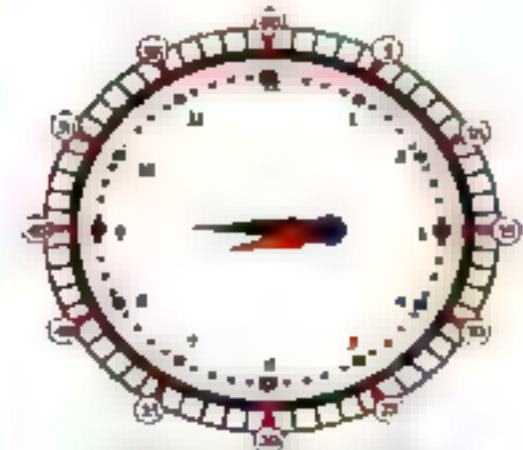
8 : 35

Its : 35 past Eight



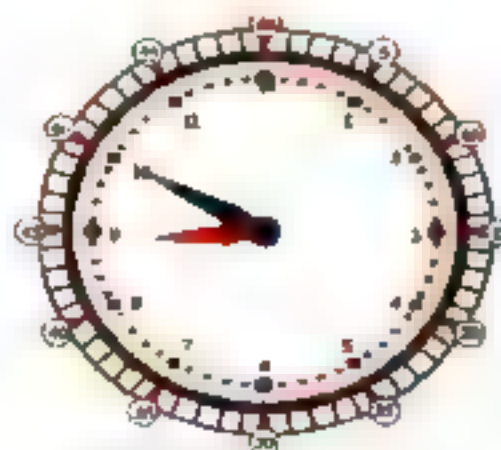
8 : 40

Its : 20 to 9



8 : 45

Its : quarter to nine



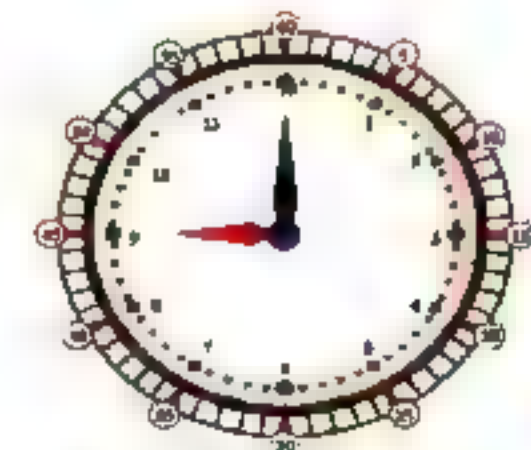
8 : 50

Its : 10 to 9



8 : 55

Its : 5 to 9



9 : 00

Its : Nine o'clock

114

Primary 3 - Term 1

ذاكرولى

هذا العمل خاص بموقع ذاكرولى التعليمى ولا يسمح بتداوله على مواقع أخرى

كتاب بحار

موقع ذاكرولى التعليمى

الصف الثالث الابتدائى



# Chapter 3

Activity 5 Draw hands according to the time :



Half past  
two



Seven and  
50 minutes



Quarter  
past four



Five past  
Eleven



20 past  
Nine




Six o'clock




Ten past  
Eleven



Quarter  
past five

Activity 6 Mohammed go out at  In the morning ,

he arrived at school at  .

The time he spent = ..... minutes .

Exercise 2

Hisham sat for lunch at  . It took 20 minutes to eat food . Draw the two hands on the clock shown

the new time .



Bakkar Series

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BAKKAR

Multiplication facts

## Activities from Math Journal

**Activity 1** The mother put the cookies in the oven at 7:00 and when she removed the cookies, the hour looked like the picture , How many minutes did it take cakes ?



**Solution** The time = ..... minutes .

**Activity 2** She leaves school at 3:00 pm, and when she gets home the time was as the picture. How many minutes did she take to go to home ?



**Solution** The time = ..... minutes .

**Activity 3** If the distance from school to home is 45 minutes on foot, and you leave school 3:00 , What time will you get home? Draw the time on the watch.



**Solution** The time :

**Activity 4** Join the analog watch with the digit clock:



8 : 03

3 : 40

8 : 15



## Self-check on lesson (26, 27)

1 Write the time as an example :



EX

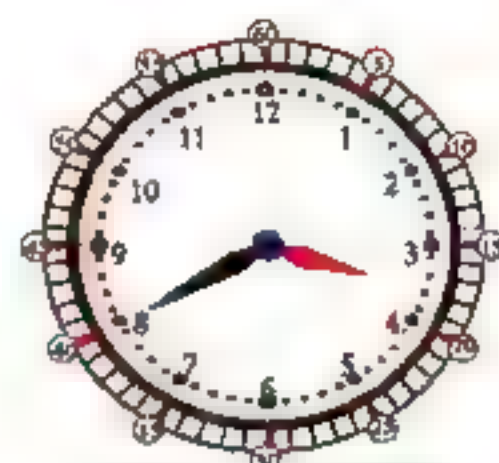
9 :05



..... : .....



..... : .....



..... : .....



..... : .....



..... : .....



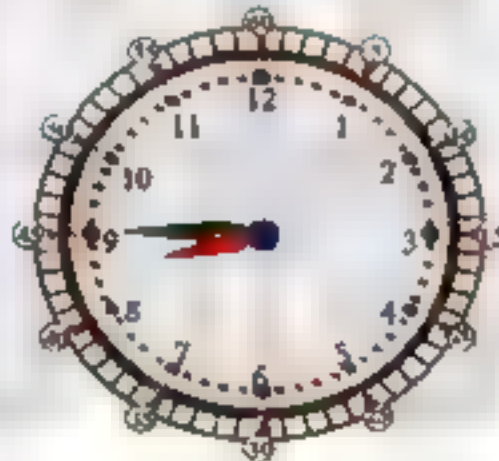
..... : .....



..... : .....



..... : .....



..... : .....



..... : .....



..... : .....

2

Rajab went to the grocery store at



Evening ,

then he went home at



The time it took = ..... minutes

Bakkar Series

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BAKKAR

## Multiplication facts

3 Draw the short hand only for each of the following watches :



20 to three



10 past 4



Half past four



Nine o'clock



35 past three



Quarter past one



20 past ten



5 past five

4 Draw the long hand only for each of the following watches :



25 past three



10 past Four



Half past five



One o'clock

Quarter  
past eight

Three o'clock

5 past  
twoQuarter  
past seven



## Chapter 3

5 Draw the hands according to the following cases :



Bakkar Series

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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى

كتاب بحار

موقع ذاكرولى التعليمي

الصف الثالث الابتدائي



## Lesson

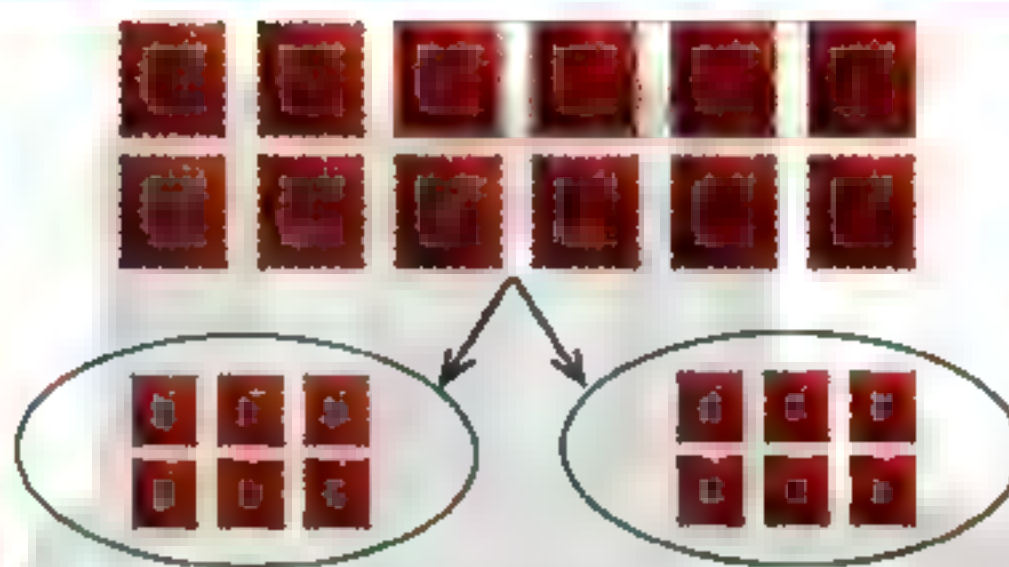
( 28 , 29 )

## Division

Activity



Yesterday I bought a box of **12** biscuits from the store and I want to share them with my friend equally. How many biscuits should each of us take ?



When **12** biscuits are divided equally, between two children we divide them into two groups with the same number of pieces this number can be written using the division sign ( $\div$ )

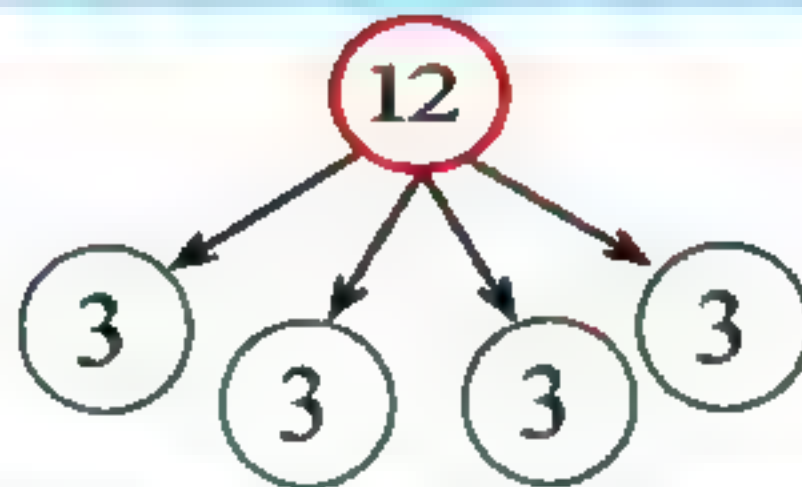
As follows : the share of each child = ( $12 \div 2$ ) and reads

(12 divide by 2) = 6 pieces because  $2 \times 6 = 12$

Activity



When **12** biscuits are divided equally, between **4** children :



We divide it into **4** groups, each group contains ..... pieces

This number can be written using the division sign ( $\div$ )

As follows: the share of each friend = ( $12 \div 4$ ) and reads

(12 divide by 4) = 3 pieces because  $4 \times 3 = 12$

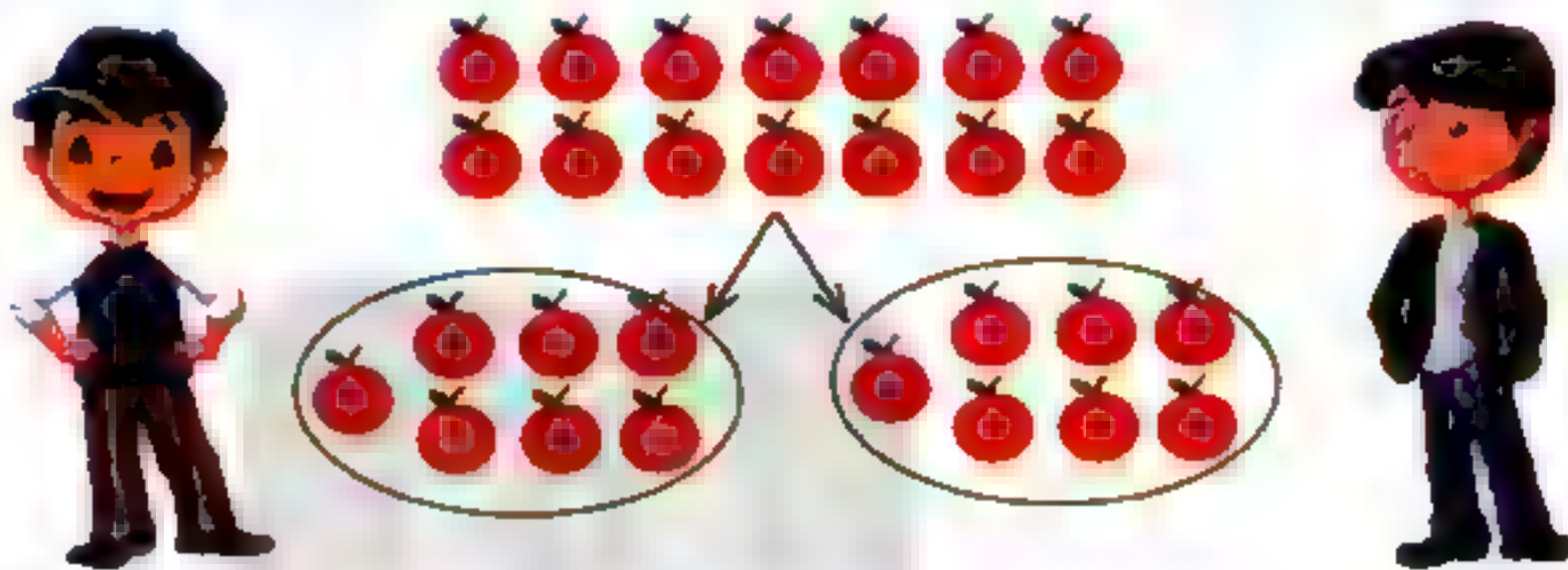


## Chapter 3

## Exercise

1

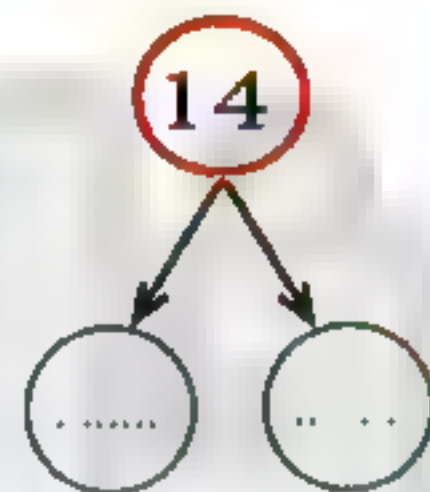
Two friends went to collect the fruits together, so they collected 14 fruits from a tree and then divide them equally between them. How many fruits did each of them take ?



We divide it into two groups, each group containing ..... fruits

This number can be written using the division sign ( $\div$ ) As follows: the share of each child =  $(14 \div \dots) = 7$  fruits

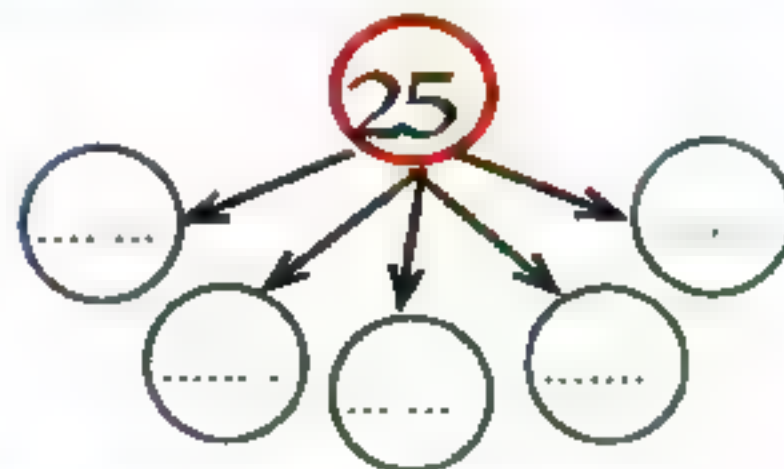
because  $2 \times \dots = \dots$



## Exercise

2

Nabil has 25 candies, which he wanted to share equally between 5 of his friends without keeping any of them for themselves, how many candy bars. Which each of Nabil's friends will take ?



## The solution

We divide it into 5 groups, each group contains ..... pieces

Share of each friend =  $(25 \div \dots)$

= ..... pieces because  $\dots \times \dots = 25$

## Bakkar Series

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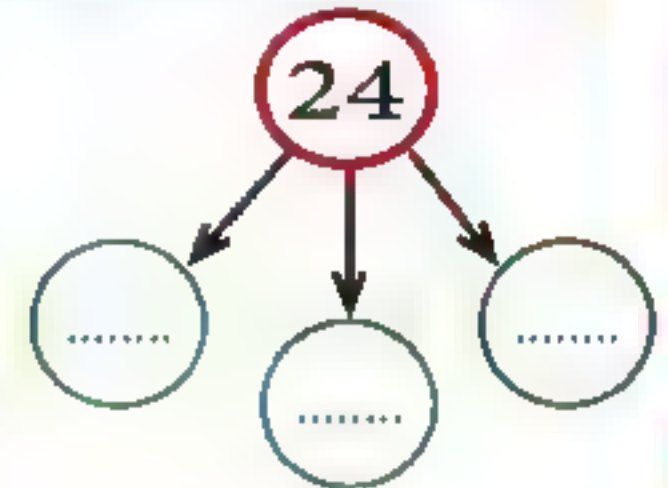
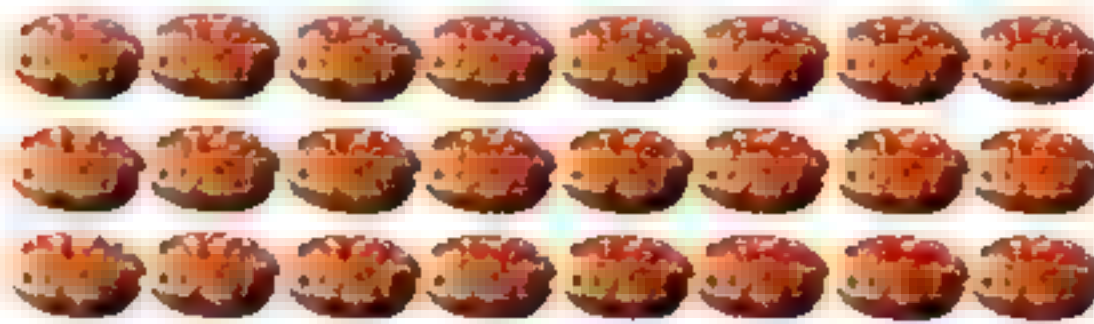
## BAKKAR

## Multiplication facts

## Exercise

3

Aya baked 24 loaves of bread for 3 friends. How many loaves would a friend get if everyone got a fair share ?



## Solution

Share of each friend = ( ..... ÷ ..... )  
= ..... loaves

because ..... × ..... = .....

## Exercise

4

There are 16 fish required to be placed in 4 aquarium, and each should contain the same number of fish. How many fish should be placed in every aquarium complete the drawing of pictures of fish in aquarium :

## Solution

Number of fish in each aquarium  
= ( ..... ÷ ..... )  
= ..... fish

because ..... × ..... = .....



## Exercise

5

Sameh is preparing gift baskets. He has 20 oranges that need to be divides equally between 5 baskets. Draw a picture in the baskets below to solve the problem :

## Solution

Number of orange in each basket  
= ( ..... ÷ ..... )  
= ..... oranges

because ..... × ..... = .....





## Chapter 3

Exercise

6

16 balloons. Tie each two balloons together to form a group. How many groups ?

Solution

Make ..... groups each group has 2 balloons

Number of groups =  $(16 \div 2) = 8$  groups

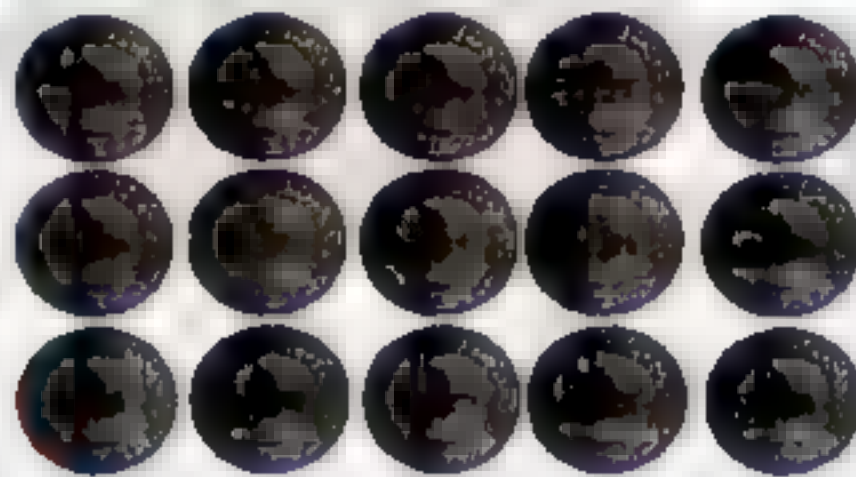
because  $2 \times \dots = 16$



Exercise

7

15 pounds. Divide evenly on 5 children.  
How much money does a child take ?



Solution

Gave the money to 5 child each one take ..... pounds

Share of child =  $(15 \div \dots)$

= ..... pounds

because  $\dots \times \dots = 15$

Exercise

8

Find the result of the following :

a  $63 \div 7 = \dots$

b  $35 \div 7 = \dots$

c  $48 \div 6 = \dots$

d  $24 \div 3 = \dots$

e  $6 \div 6 = \dots$

f  $18 \div 2 = \dots$

g  $32 \div 8 = \dots$

h  $21 \div 7 = \dots$

i  $15 \div 5 = \dots$

Bakkar Series

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## Self - check on lesson (28, 29)

1 Put ( $<$ ,  $>$ ,  $=$ ):

a  $10 \div 2$   9

b  $8 \div 8$   1

c  $28 \div 7$   3

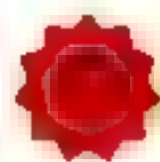
d  $27 \div 3$   10

e  $36 \div 4$   9

f  $24 \div 6$   7

g  $7 \div 1$   0

h  $35 \div 5$   5



## Activities from Math Journal

2 The teacher has 36 crayons to share equally between 6 pupils. She must place the crayons in the cups below. Draw a picture in the cups below to solve the problem :

Solution .....



3 Each cat needs 2 fish for lunch. How many cats can we feed with 12 fish ?

Solution .....



4 Each Ibis will eat 3 worms. You have 18 worms. How many Ibis can be fed ?

Solution .....





## Chapter 3

5 Find the result :

a  $(4 + 23) \div 9 = \dots\dots\dots$

b  $(35 - 5) \div 6 = \dots\dots\dots$

c  $(20 + 1) \div 3 = \dots\dots\dots$

d  $45 \div (3 \times 3) = \dots\dots\dots$

e  $6 \div (5 + 1) = \dots\dots\dots$

f  $(20 - 10) \div 5 = \dots\dots\dots$



## Activities from Math Journal

6 Each ox must eat 2 Grass Daily. There are 10 Grass.  
How many ox can be fed ?

Solution .....



7 Each crocodile wants to eat 5 fish. There are 25.  
How many crocodiles can be fed ?

Solution .....



8 Each fox must eat 6 insects. there are 24 insects.  
How many fox can be fed ?

Solution .....



Bakkar Series

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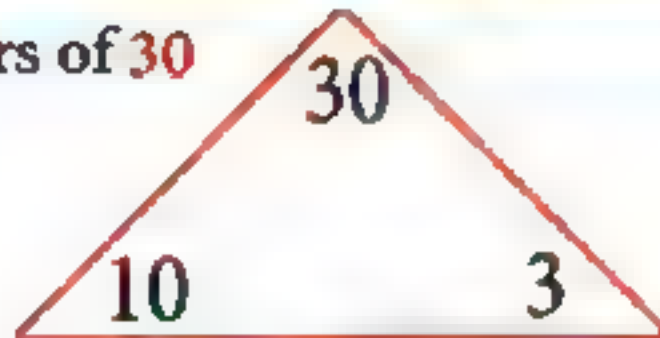


## Lesson

( 30 )

Relation between multiplication  
and division

Activity 1 Notice the following :

From the factors of 30  
10 and 3

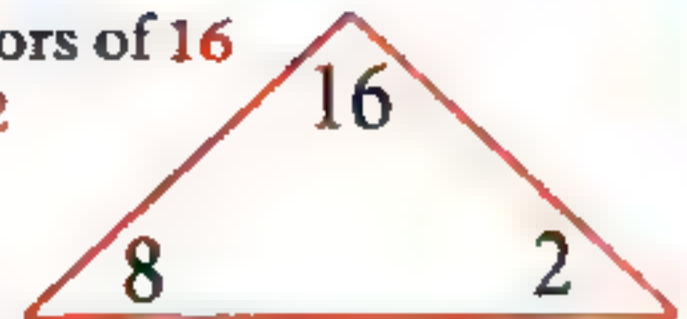
$3 \times 10 = 30$

$10 \times 3 = 30$

$30 \div 3 = 10$

$30 \div 10 = 3$

Is 30 has another factors ?

From the factors of 16  
8 and 2

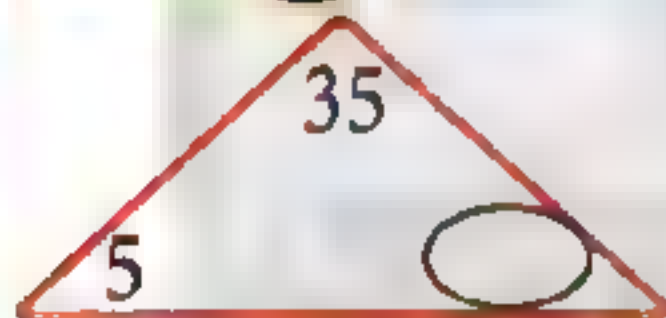
$2 \times \quad = 16$

$8 \times \quad = 16$

$16 \div \quad = 2$

$16 \div \dots = 8$

Exercise 1 Complete the following :



$\times 5 = 35$

$\times 7 = 35$

$35 \div \quad = 5$

$\dots \div 5 = 7$



$\times 6 = 18$

$\times 3 = 18$

$18 \div \quad = 3$

$\dots \div 3 = 6$



$6 \times \quad = 24$

$6 \times \quad = 24$

$24 \div 6 =$

$24 \div \quad = 6$



$\times \quad =$

$\times \quad =$

$\div \quad =$

$\div \quad =$



$\times \quad =$

$\times \quad =$

$\div \quad =$

$\div \quad =$



$\times \quad = \dots\dots\dots$

$\times \quad =$

$\div \quad =$

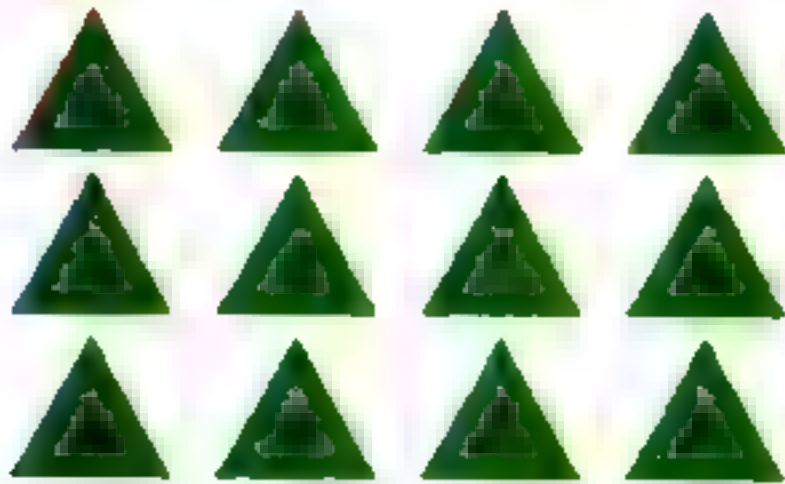
$\div \quad =$





## Chapter 3

**Exercise 2** Complete the following :

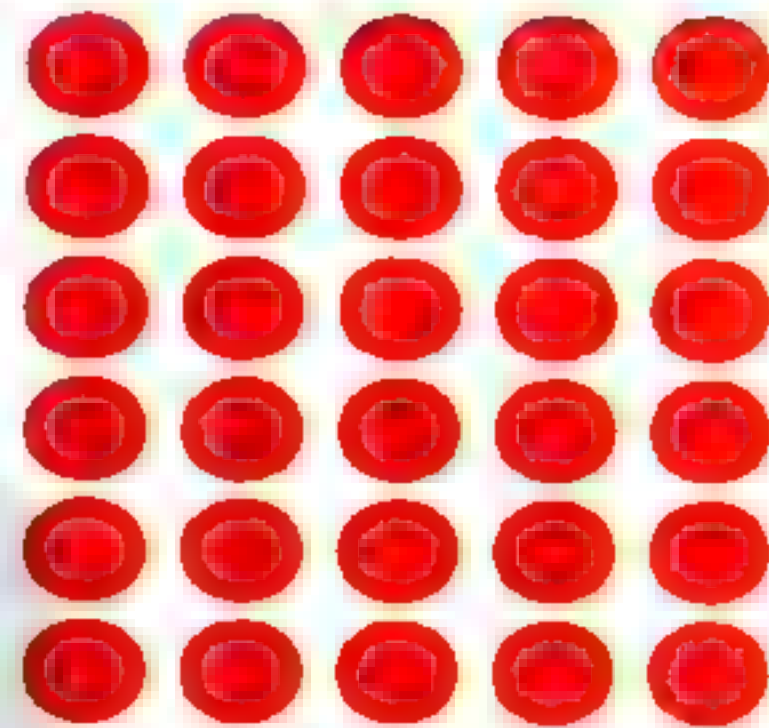


$$3 \times 4 =$$

$$4 \times 3 =$$

$$12 \div =$$

$$12 \div =$$

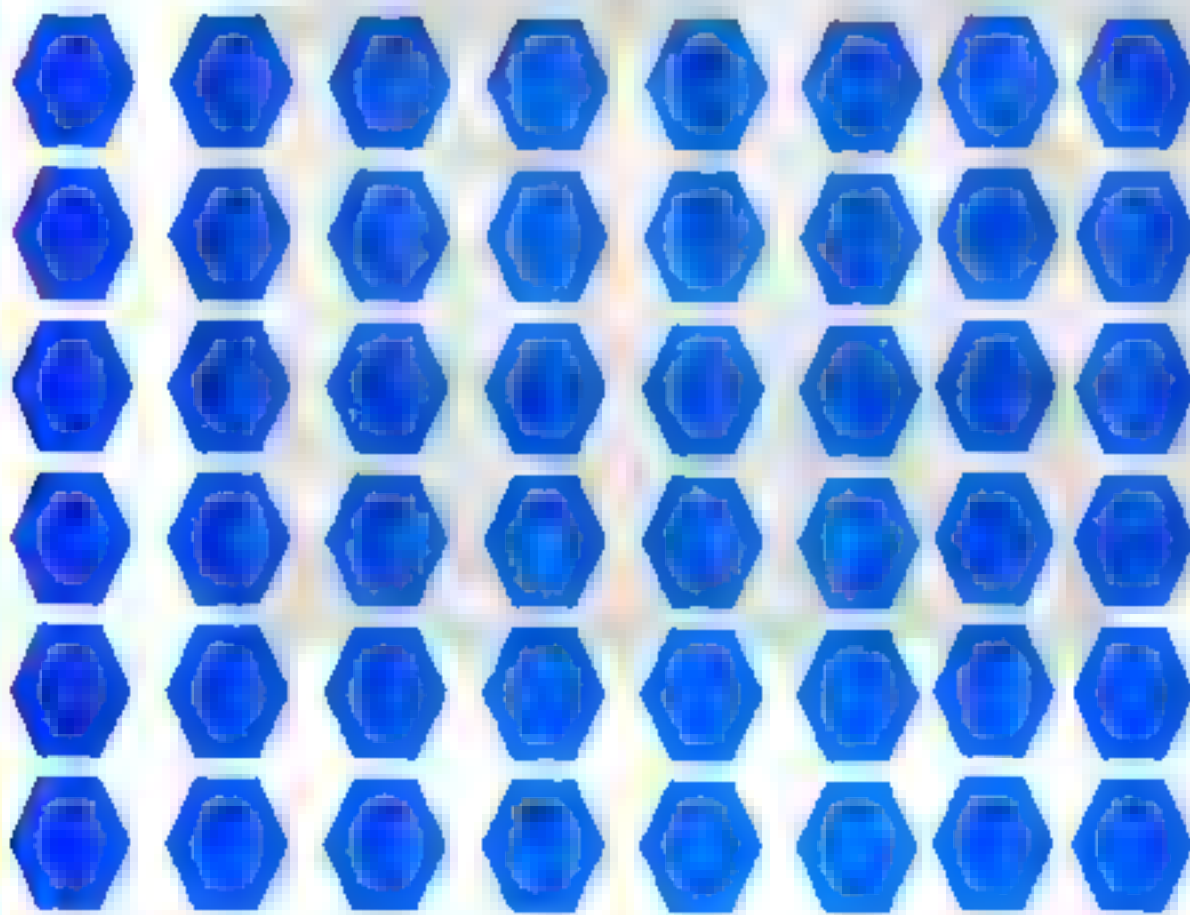


$$6 \times = 30$$

$$5 \times = 30$$

$$30 \div = 5$$

$$30 \div =$$

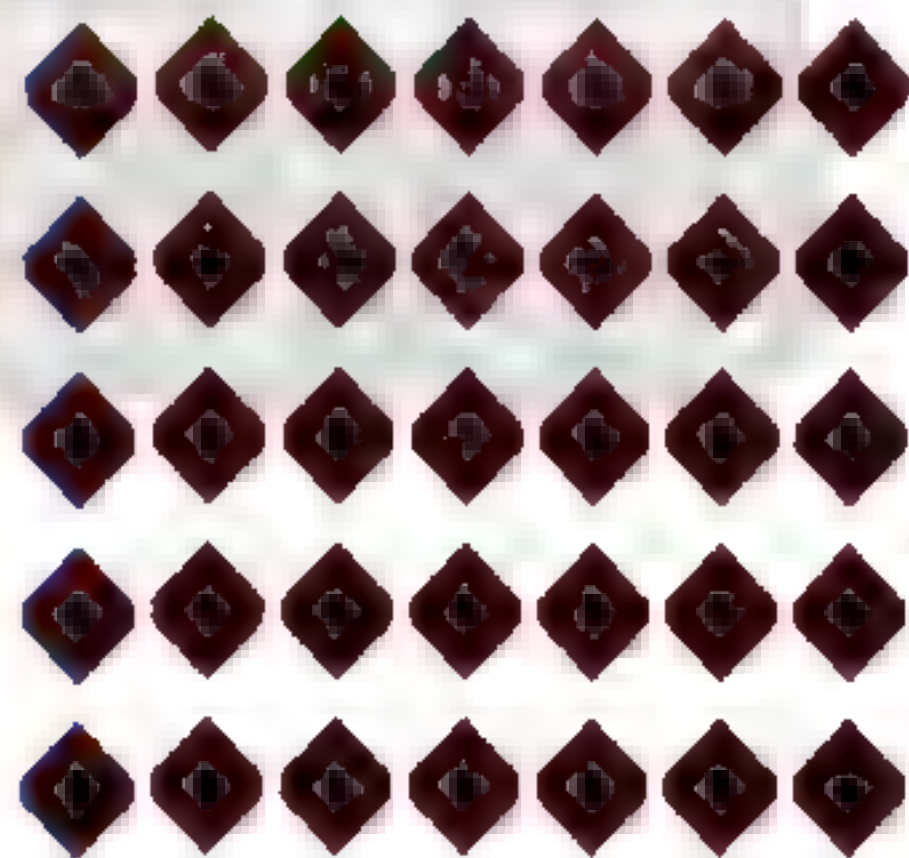


$$6 \times =$$

$$\times = 48$$

$$48 \div 6 =$$

$$48 \div = 6$$



$$5 \times =$$

$$7 \times =$$

$$\div =$$

$$\div 5 =$$

**Bakkar Series**

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## Self - check on lesson (30)

1 Complete the following :



$$\times 9 = 27$$

$$\times =$$

$$\div =$$

$$27 \div \dots =$$



$$4 \times 9 = \dots$$

$$\times \dots = \dots$$

$$\dots \div \dots =$$

$$36 \div \dots =$$



$$\dots \times \dots = 35$$

$$\dots \times \dots = \dots$$

$$35 \div \dots =$$

$$35 \div \dots = \dots$$

2 Complete as the example :

$$5 \times 6 = 30$$

$$30 \div 5 = 6$$

$$30 \div 6 = 5$$

$$6 \times 7 = 42$$

$$42 \div 7 =$$

$$42 \div 6 = \dots$$

$$2 \times 5 = 10$$

$$10 \div 5 = \dots$$

$$10 \div 2 = \dots$$

$$4 \times 6 = 24$$

$$24 \div 6 = \dots$$

$$24 \div 4 = \dots$$

$$2 \times 4 = 8$$

$$8 \div 4 = \dots$$

$$8 \div 2 = \dots$$

$$3 \times 1 = 3$$

$$3 \div 1 = \dots$$

$$3 \div 3 = \dots$$

$$5 \times 10 = 50$$

$$50 \div 10 = \dots$$

$$50 \div 5 = \dots$$

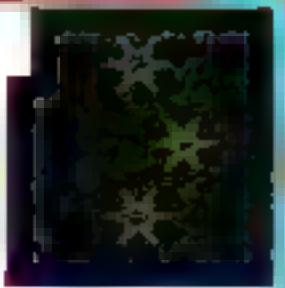
$$7 \times 8 = 56$$

$$56 \div 8 = \dots$$

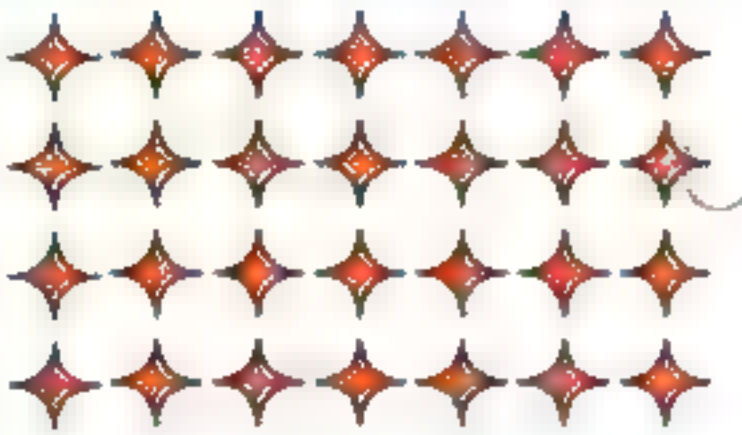
$$56 \div 7 = \dots$$



# Chapter 3



3 Write the equation of multiplication and division :

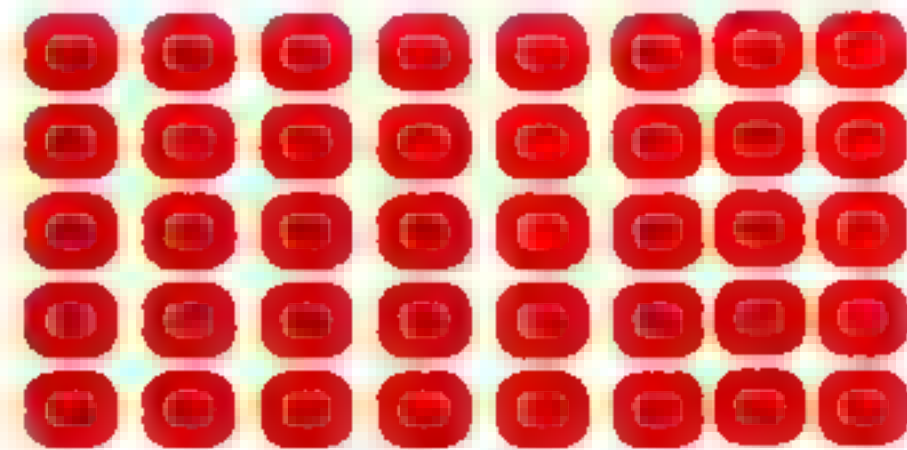


$$\dots \times \dots = \dots$$

$$\dots \times \dots = \dots$$

$$\dots \div \dots = \dots$$

$$\dots \div \dots = \dots$$



$$\dots \times \dots = \dots$$

$$\dots \times \dots = \dots$$

$$\dots \div \dots = \dots$$

$$\dots \div \dots = \dots$$

4 Answer the following :

a Find the number that if multiplied by (8) get (40), then deduce the division.

**Solution**  $\dots \times 8 = \dots$  then :  $40 \div 8 = \dots$

b Find the number that if multiplied by (7) get (28), then deduce the division.

**Solution**  $\dots \times 7 = 28$  then :  $28 \div 7 = \dots$

c Find the number that if multiplied by (4) get (36), then deduce the division.

**Solution**  $\dots \times 4 = 36$  then :  $36 \div 4 = \dots$

d Find the number that if multiplied by (6) get (30), then deduce the division.

**Solution**  $\dots \times 6 = 30$  then :  $30 \div 6 = \dots$

e Find the number that if multiplied by (1) get (7), then deduce the division.

**Solution**  $\dots \times 1 = 7$  then :  $7 \div 1 = \dots$

Bakkar Series

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## Self - check 1 Chapters 2

1 Complete :

$$\begin{array}{r} 8 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

2 Hind packed 4 whole boxes with honey jars.  
Each box has 6 jars, so what is the total number of jars?

**Solution** Number of jars =  $4 \times \dots = \dots$  jars




3 Complete the following :

a The factors of ( 6 ) are .....

b  $63 \div 9 = \dots$

c  $5 \times 7 = \dots$

d  Repeated addition .....

 Multiplication .....

4 Write the time shown in each watch :



.....

..... : .....



.....

..... : .....



.....

..... : .....



## Self - check 2 Chapter 1, 2, 3

1 Complete :

$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

2 Choose the correct answer :

- (a) The value of 5 in 957 000 is . .... ( 50 000 , 5000 , 5 )
- (b)  $971\ 384 = 384 + \dots + 70000 + 900\ 000$  ( 1 , 100 , 1000 )
- (c) The greatest number formed from (0, 5, 3, 1) is ..... ( 135 , 1035 , 5 310 )
- (d) 34 Thousand = ..... ( 3 400 , 34 000 , 34 )
- (e) The place value of (8) in 328 910 is ..... ( ones , hundreds, thousands )

3 If a family consumes 10 bottles of water per day .  
How many bottles do the family consume in 7 days?

**Solution** The number of bottles = .....  $\times$  ..... = ..... bottles

4 Arrange the following in an ascending order :

- (a) 456 100 , 100 456 , 654 100 , 500 641 , 561 400  
The order : .....
- (b) 5 m , 7 m , 200 cm , 800 cm  
The order : .....

Bakkar Series

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## The polygons ( 2 D shapes )

### Key Vocabulary

Area	المساحة	Parallel	متوازي
Beyond knowledge	ما وراء المعرفة	Parallelogram	متوازي أضلاع
Closed shape	شكل مغلق	Polygon	مضلع
Cube	مكعب	Property	الخاصية
Dimensions	الأبعاد	Quadrilateral	شكل رباعي
Distribution property	خاصية التوزيع	Review vocabulary when needed	مراجعة المفردات عند الحاجة
Head	رأس	Rhombus	معين
Heads	رؤوس	Square unit	وحدة مربعة
Hexagon	سداسي الأضلاع	Trapezium	شبه منحرف
Octagon	ثمانى أضلاع		

Bakkar  
Self-Check  
On each  
Chapter

Content

Bakkar  
Self-Check  
On each  
Lesson

Exercise  
inspired by  
Math Journal

Exercise  
inspired by  
Discover Book



## Lesson

( 31 , 32 , 33 )

## The polygons ( 2 D shapes )

Activity



Find the missing factor by rolling the die :

	The missing factor	The product
$1 \times \dots = \dots$	( 5 ) for example	$1 \times 5 = 5$
$2 \times \dots = \dots$		
$3 \times \dots = \dots$		
$4 \times \dots = \dots$		
$5 \times \dots = \dots$		
$6 \times \dots = \dots$		
$7 \times \dots = \dots$		
$8 \times \dots = \dots$		
$9 \times \dots = \dots$		
$10 \times \dots = \dots$		
$11 \times \dots = \dots$		
$12 \times \dots = \dots$		

Use one of the following strategies:

( Repeated Addition - skip count - array ) to find the product of multiplication

Activity



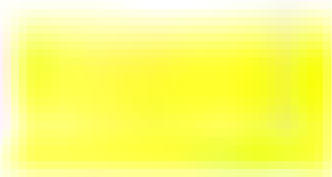
Remember :



Triangle



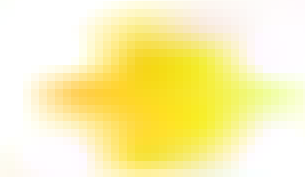
Square



Rectangle



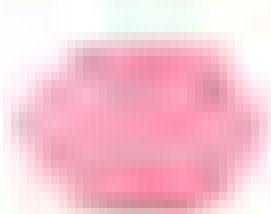
Trapezium



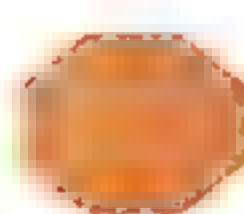
Rhombus



Circle



Hexagon



Octagon



Cuboid



Cylinder

Bakkar Series

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BAKKAR

## The polygons

## Activity 3 Remember :

## Polygons :

Is simple closed broken line formed from 3 line segment or more



Polygon



Polygon



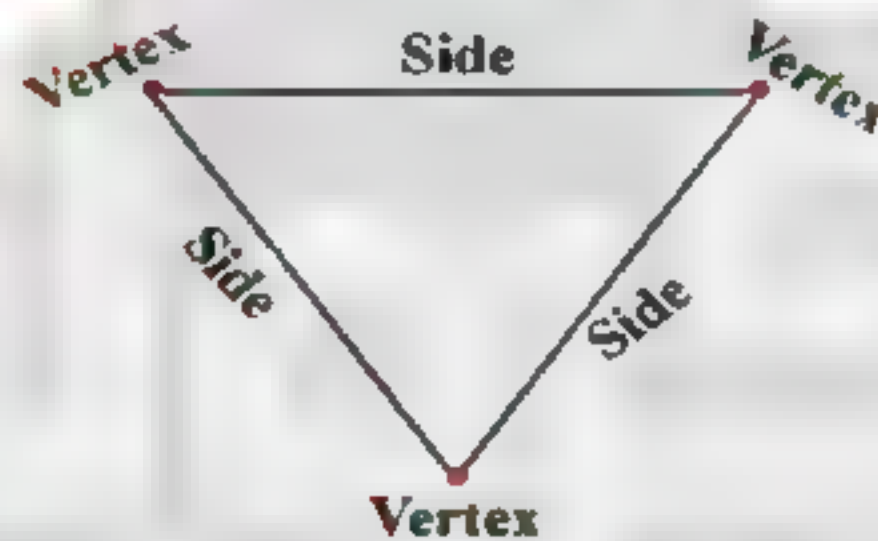
Not polygon



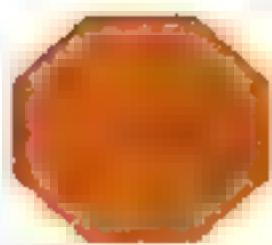
Not polygon

## The Vertex :

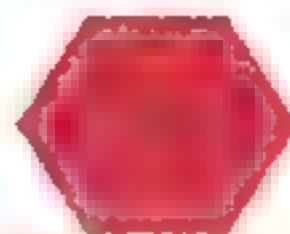
Is the point of intersection of two adjacent sides



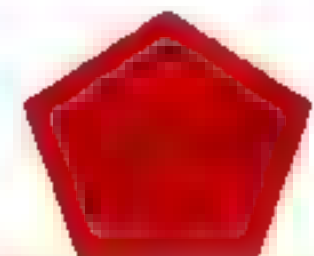
**Notice :** The name of a polygon is related to the number of its sides,  
 For example : a polygon with 3 sides is called triangle  
 a polygon with 4 sides is called "Quadrilateral ," and so on



Octagon



Hexagon



Pentagon

Notice :

In any polygon

Number of sides = number of angle = number of vertices

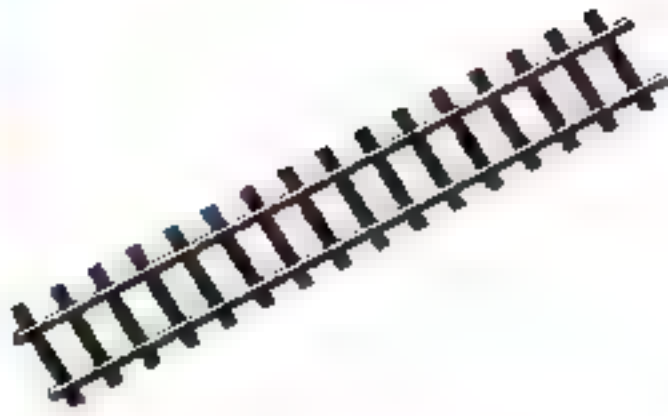
## The circle

isn't a polygon because it hasn't line segments



## Chapter 4

**Activity 4** **Parallel lines :** are the lines that do not meet no matter how long they stretch



Two railroad tracks

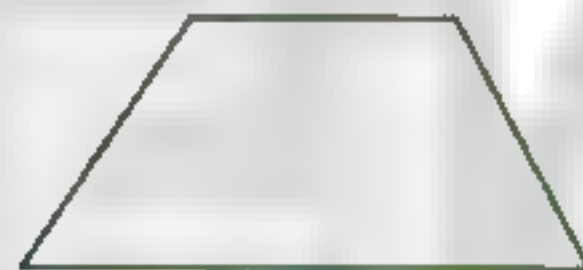
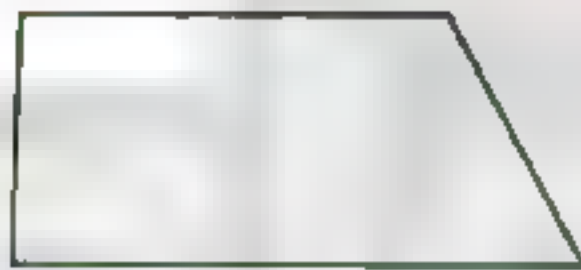


Wood stairs

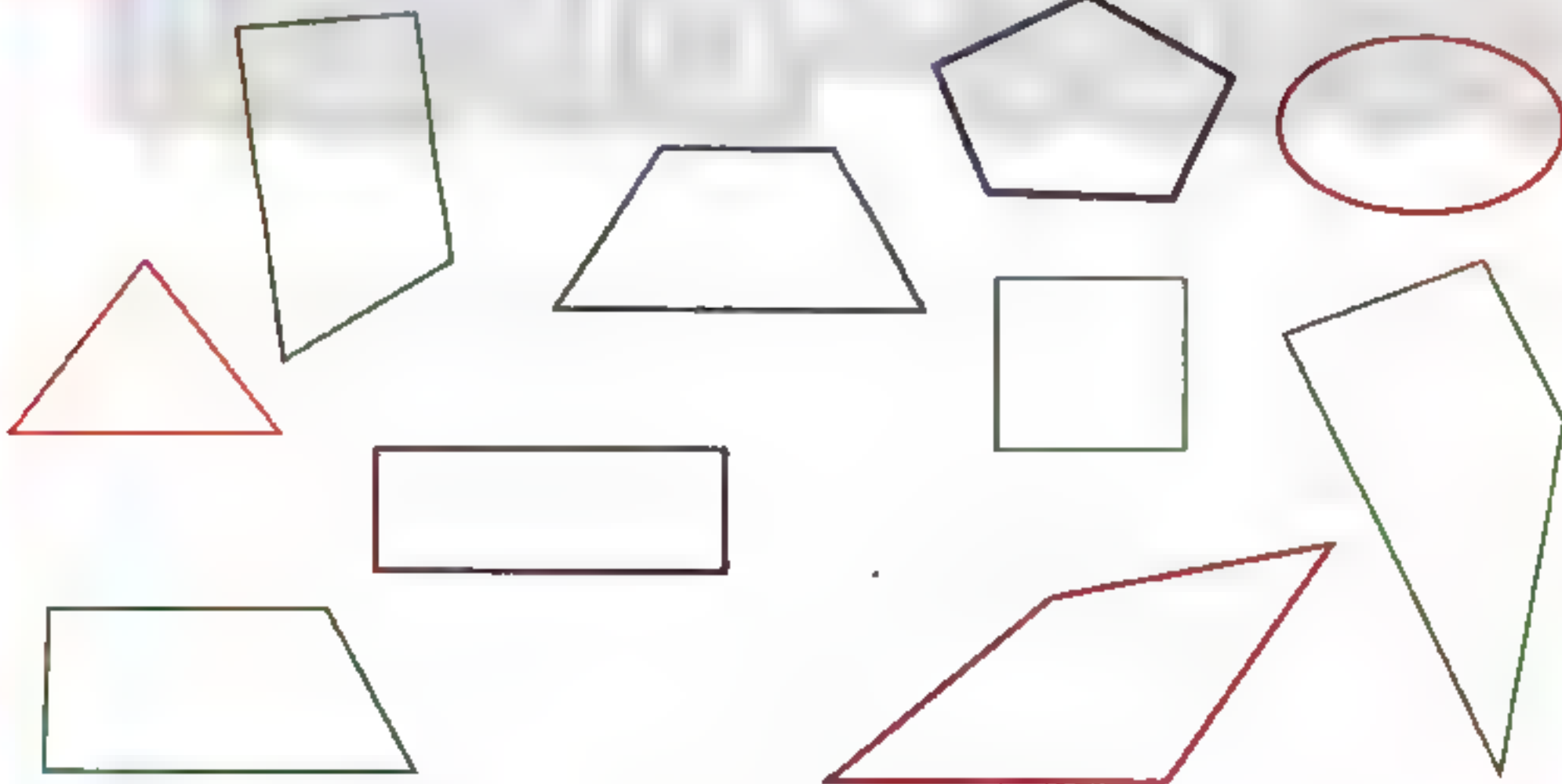


Ruler edges

**Activity 5** **Trapezium :** is a quadrilateral has only two parallel lines



**Exercise 1** Colour the trapeziums :



Bakkar Series

135



BAKKAR

The polygons

Activity

6

Parallelogram :

is a quadrilateral has each two opposite sides are parallel



Parallelogram



Parallelogram

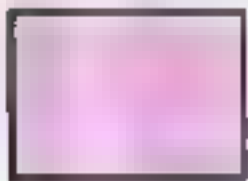






Parallelogram

Exercise

2

Complete the following table :

Figure	Name	The property			
		The property of Sides	No. sides	The property of angles	No. vertices
		Equal in length		Equal	
		2 short and 2 long			
		2 parallel & 2 not parallel		Not Equal	
		Equal in length			
		Each 2 opposite sides are parallel & equal			

136

Primary (3) - Term 1



## Chapter 4

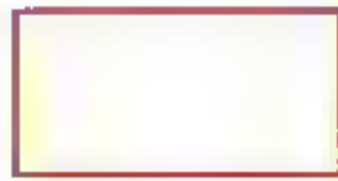
Exercise

3

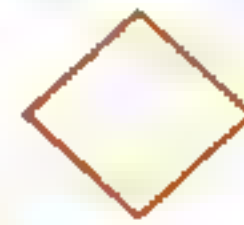
Draw each shape in its suitable place in Venn diagram :



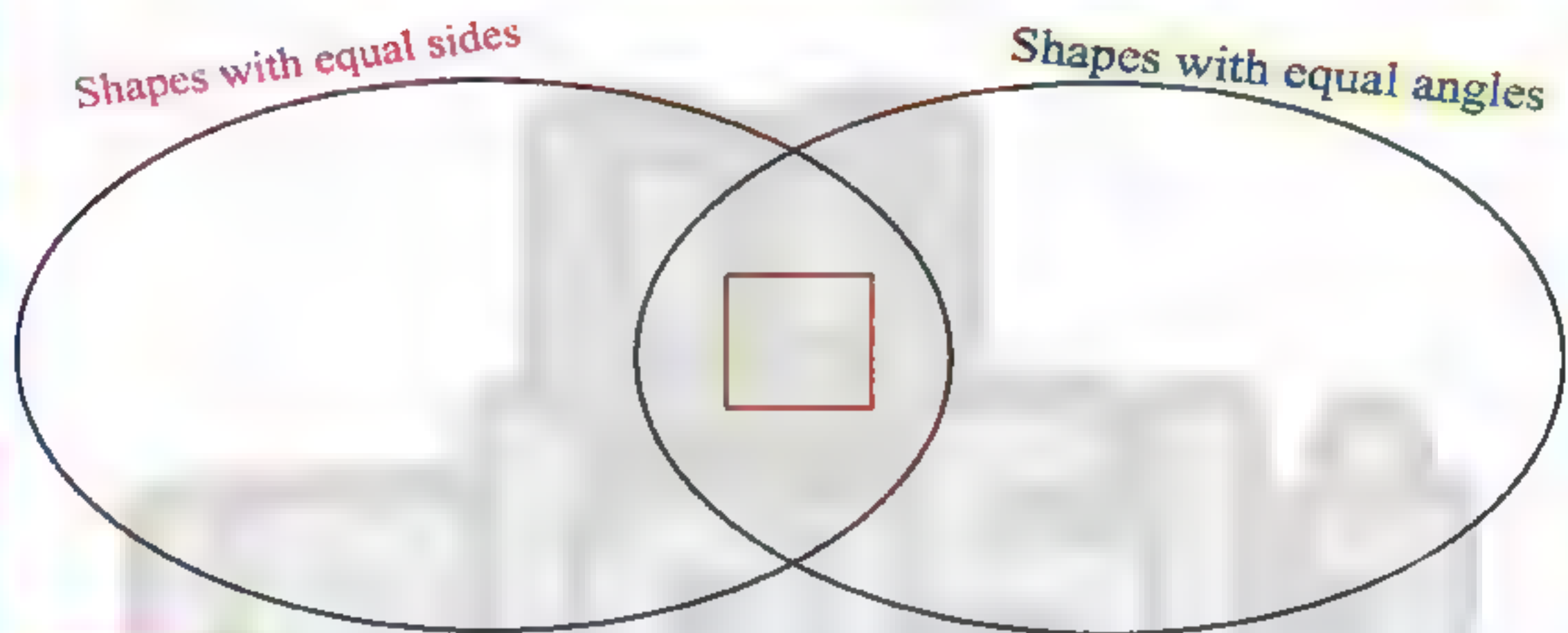
Square



Rectangle



Rhombus

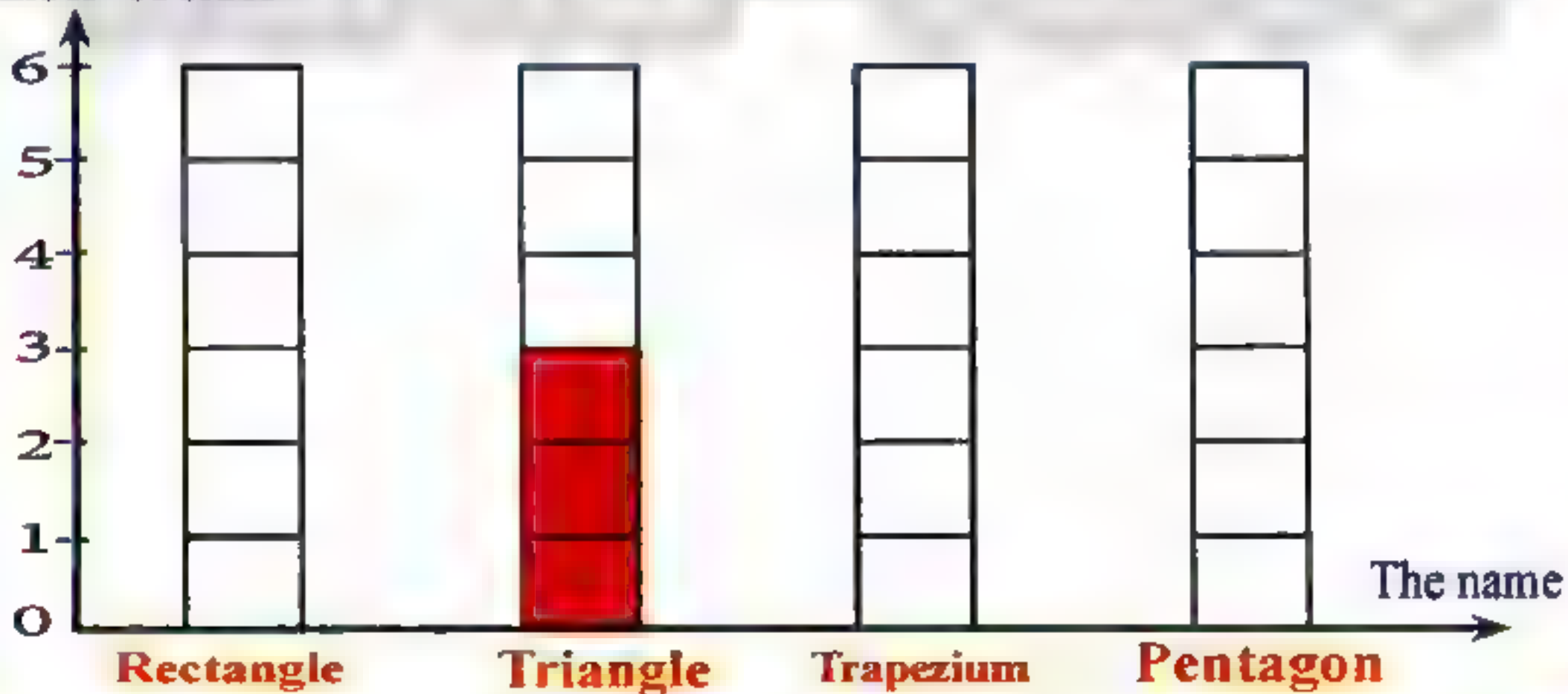


Exercise

4

Colour the relation between the shape's name and its sides in the bar graph as EX :

Number of sides



Bakkar Series

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BAKKAR

## The polygons

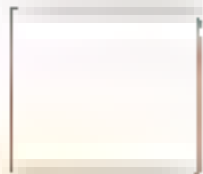
Exercise

5

Draw some polygons as Ex :

Math  
Journal

Category title : with 4 vertices



Square



Rectangle

Category title : 3 sides

Category title : More than 4 sides

Category title : Not polygons

Category title : curve

Category title : All sides are  
equal in lengthCategory title : each two opposite  
side are parallelCategory title : All sides are not  
equal in length

Category title : with 3 vertices

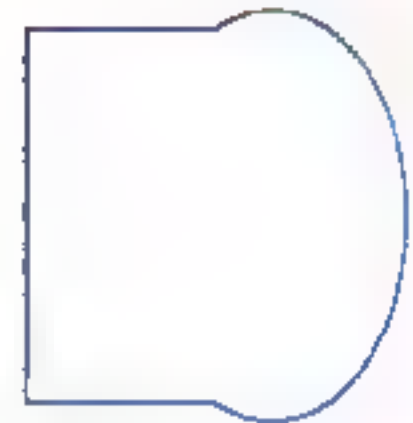
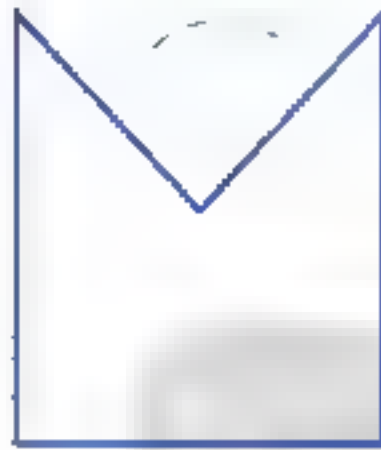
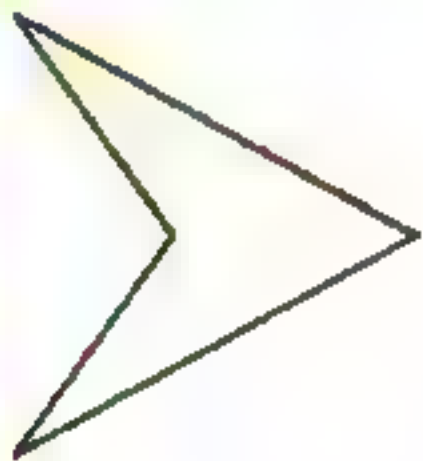
Category title :

4 angles with equal measure



## Self - check on lesson ( 31, 32, 33 )

1 Put (✓) inside each polygons :



2 Look , discover then complete the table :



Figure 1

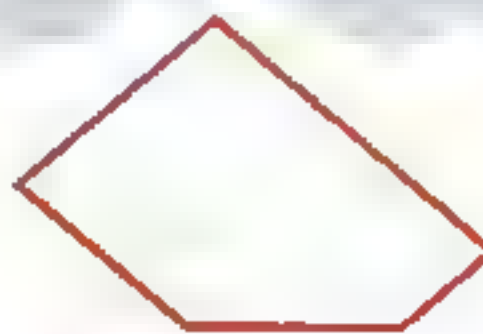


Figure 2

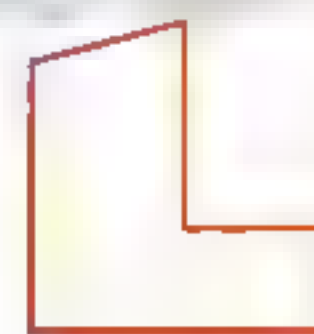


Figure 3

The figure	Figure 1	Figure 2	Figure 3
No. Sides	.....	.....	.....
No. Vertices	.....	.....	.....

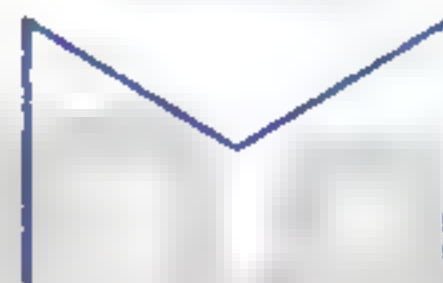
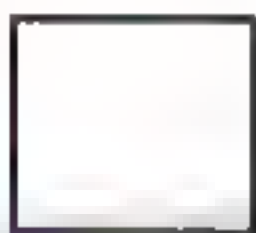


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## The polygons

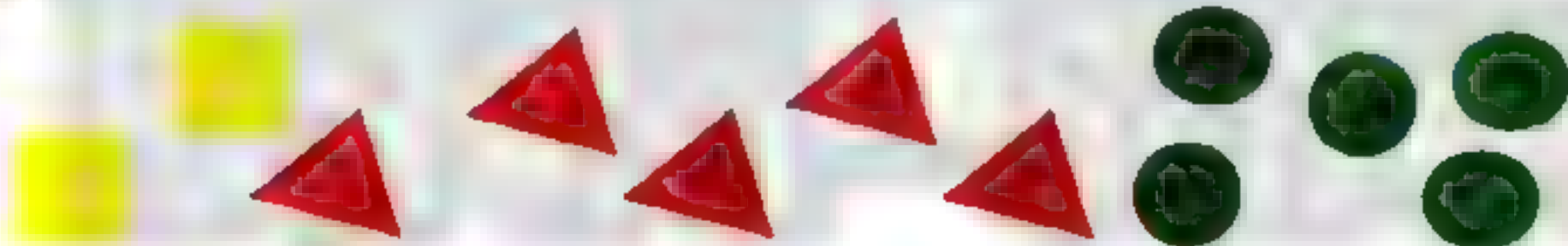
3


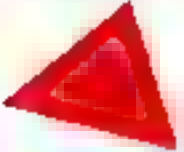
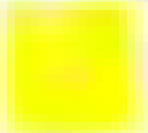
Write the number of sides in each figure :



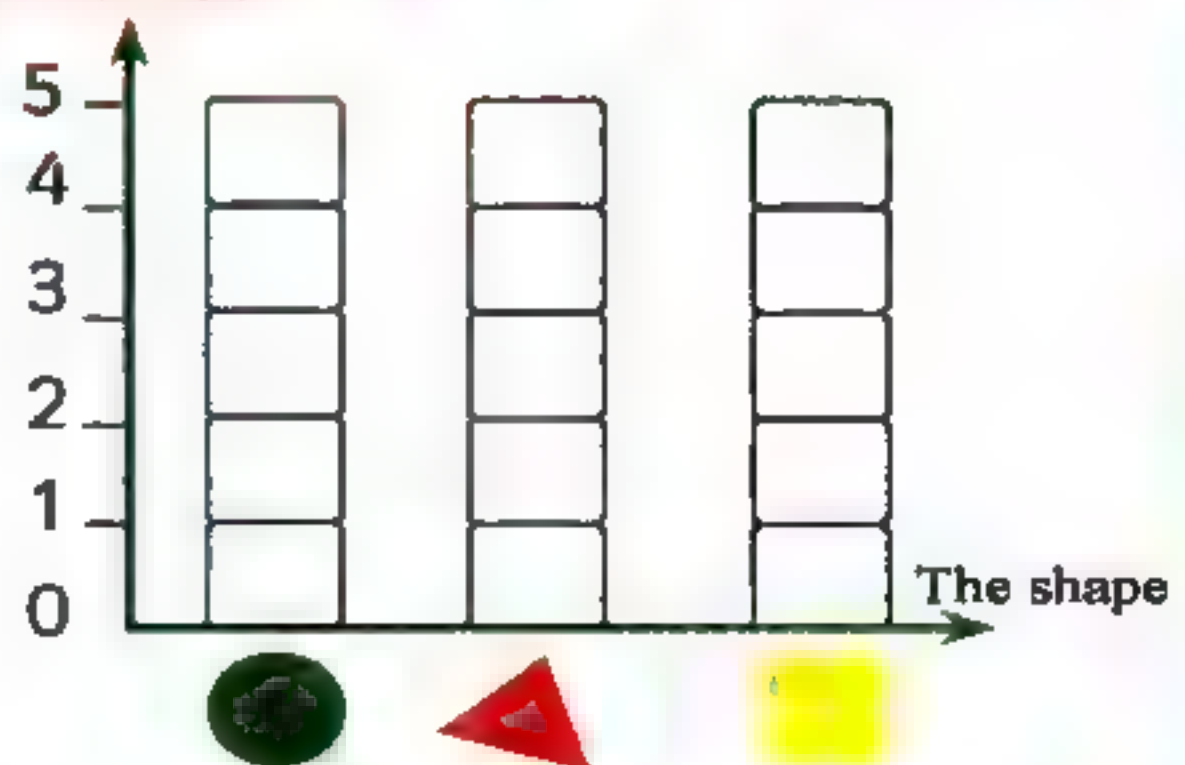
4

Complete the table and the bar graph :



The shape	The number
	.....
	.....
	.....

The number



140

Primary (3) - Term 1



## Lesson

( 34 , 35 )

## The area of rectangle

Activity 1 Find the missing factor by choose a number card :

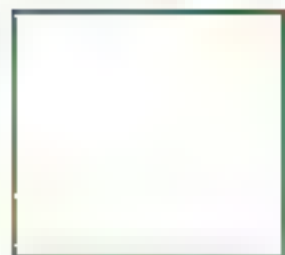
1 2 3 4 5 6 7 8 9 10 11 12

The problem	The missing factor	The product
$1 \times \dots = \dots$	( 6 ) for example	$1 \times 6 = 6$
$2 \times \dots = \dots$		
$3 \times \dots = \dots$		
$4 \times \dots = \dots$		
$5 \times \dots = \dots$		
$6 \times \dots = \dots$		
$7 \times \dots = \dots$		
$8 \times \dots = \dots$		
$9 \times \dots = \dots$		
$10 \times \dots = \dots$		
$11 \times \dots = \dots$		
$12 \times \dots = \dots$		

Use one of the following strategies:

( Repeated Addition - skip count - array ) to find the product of multiplication

Activity 2 Notice the number of units :



1 Unit



2 Units



3 Units

Bakkar Series

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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى



**Activity 3** Using the small squares to form array :

- Number of rows = 3
- Number of columns = 6



The number of these squares is called (area),  
each small square is called (square unit).

So: the area of the rectangle =  $3 \times 6 = 18$  square units.

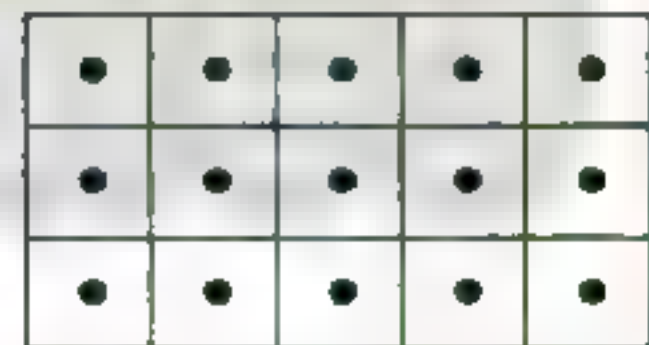
**The area :** Is the number of square units inside the polygon .

**Activity 4** Answer the following :

Sarah wants to create a garden to plant (15) pumpkins,  
and each pumpkin needs an area of square unit .  
What should she do?

**The solution :**

A rectangular garden is established with  
3 rows in each row 5 columns are as follows  
then you put a plant in each square unit



- Number of pumpkin plants = No. rows  $\times$  No. columns  
 $= 3 \times 5 = 15$  plants

**Rule**

Area of rectangle = No. Of rows  $\times$  No. Of columns



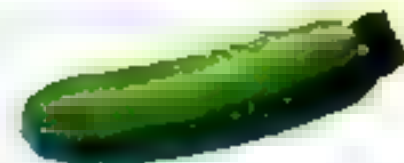
## Chapter 4

**Exercise 1** Answer the following :

Nadia wants to grow zucchini. Each zucchini needs one square unit . And you want to make the garden 3 rows , and in each row 4 square units. How many zucchini plants can be grown in a Nadia garden?  
What is the area of her garden in square units?

**The solution :**

A rectangular garden shall be established with ..... rows in each row ..... columns are as follows then put zucchini in each square unit.



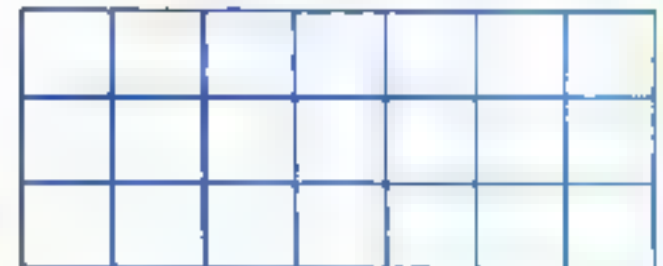
$$\begin{aligned} \text{Number of zucchini plants} &= \text{No. rows} \times \text{No. columns} \\ &= \dots \times \dots = \dots \text{ Plants} \end{aligned}$$

**Exercise 2** Answer the following :

Omar wants to grow corn . A single corn plant requires an area of one square unit . He wants to make the garden 3 rows, and in each row 7 square units. How many corn plants can be grown in Omar garden?  
What is the area of his garden in square units?

**The solution :**

A rectangular garden shall be established with ..... rows in each row ..... columns are as follows then put the corn seed in each square unit.



$$\begin{aligned} \text{Number of corn plants} &= \text{No. rows} \times \text{No. columns} \\ &= \dots \times \dots = \dots \text{ plants} \end{aligned}$$



BAKKAR

## The polygons

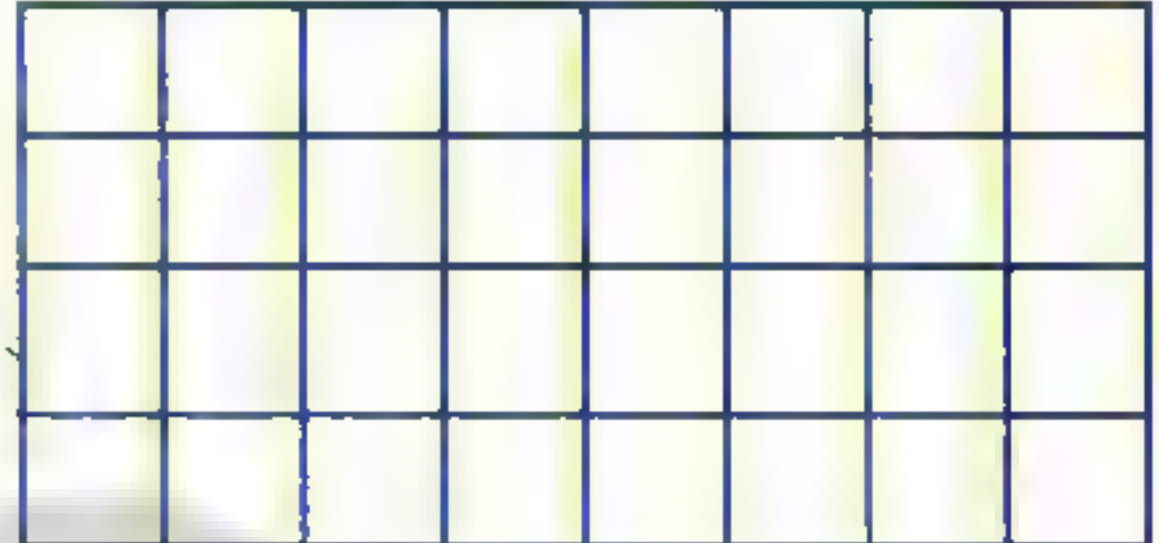
Exercise

3

Find the area of the following garden :



The area =      Square unit



The area =      Square unit

## The area of not rectangular garden

Activity

5

Find the area of the following garden :

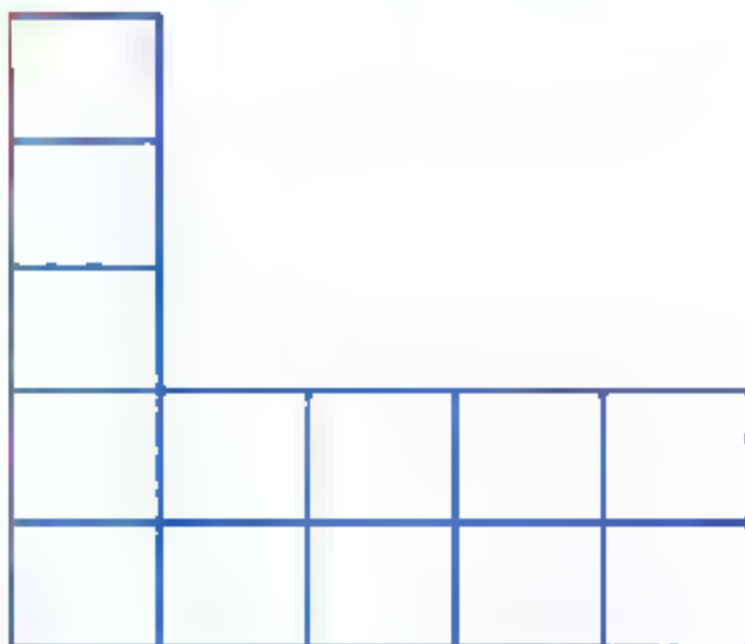
The area = .... Square unit  
= 14 Square unit



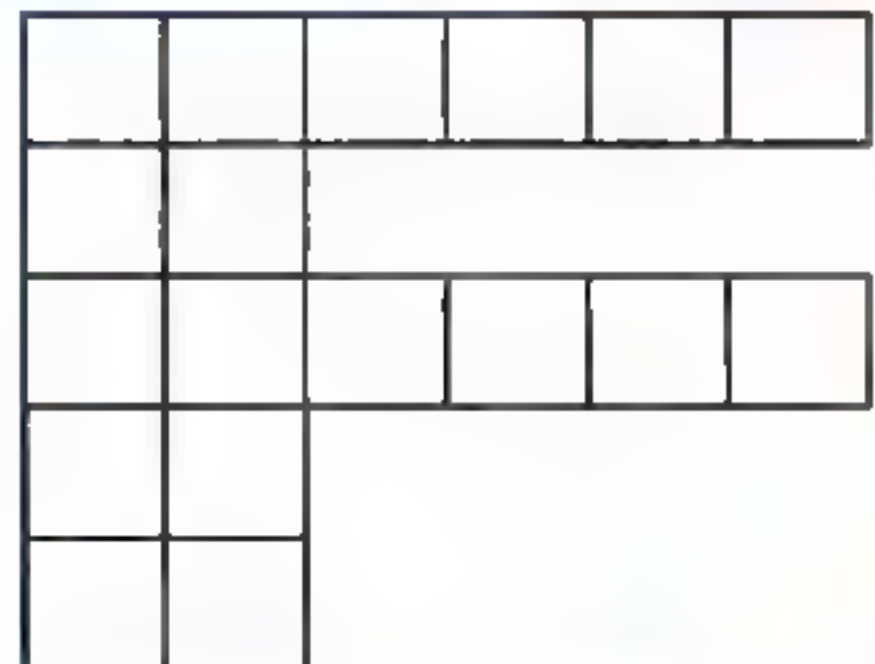
Exercise

4

Find the area of the following garden :



The area =      Square unit



The area = .... Square unit

144

Primary 3 - Term 1



## Self - check on lesson ( 34 , 35 )



## Activities from Math Journal

- 1** Youssef loves watermelon and wants to plant it in his garden .  
watermelon needs 1 square unit of space . He would like  
the garden to have 4 rows with 4 square units in each row .  
How many watermelons can Youssef fit in his garden ?  
What is the area of his garden in square units ?

## The solution :

A rectangular garden shall be established with  
rows in each row ..... columns

then put the watermelon in each square unit .

Number of watermelon plants = No.  $\times$  No.  
= .....  $\times$  ..... =



- 2** Aya wants to plant lettuce needs 1 square unit of space .  
She would like the garden to have 5 rows with 8 square units in  
each row . How much lettuce can Aya fit in her garden ?  
What is the area of her garden in square units ?

## The solution :

A rectangular garden shall be established with  
rows in each row ..... columns

then put the lettuce in each square unit.

Number of Lettuce plants = No.  $\times$  No  
= .....  $\times$  ..... =



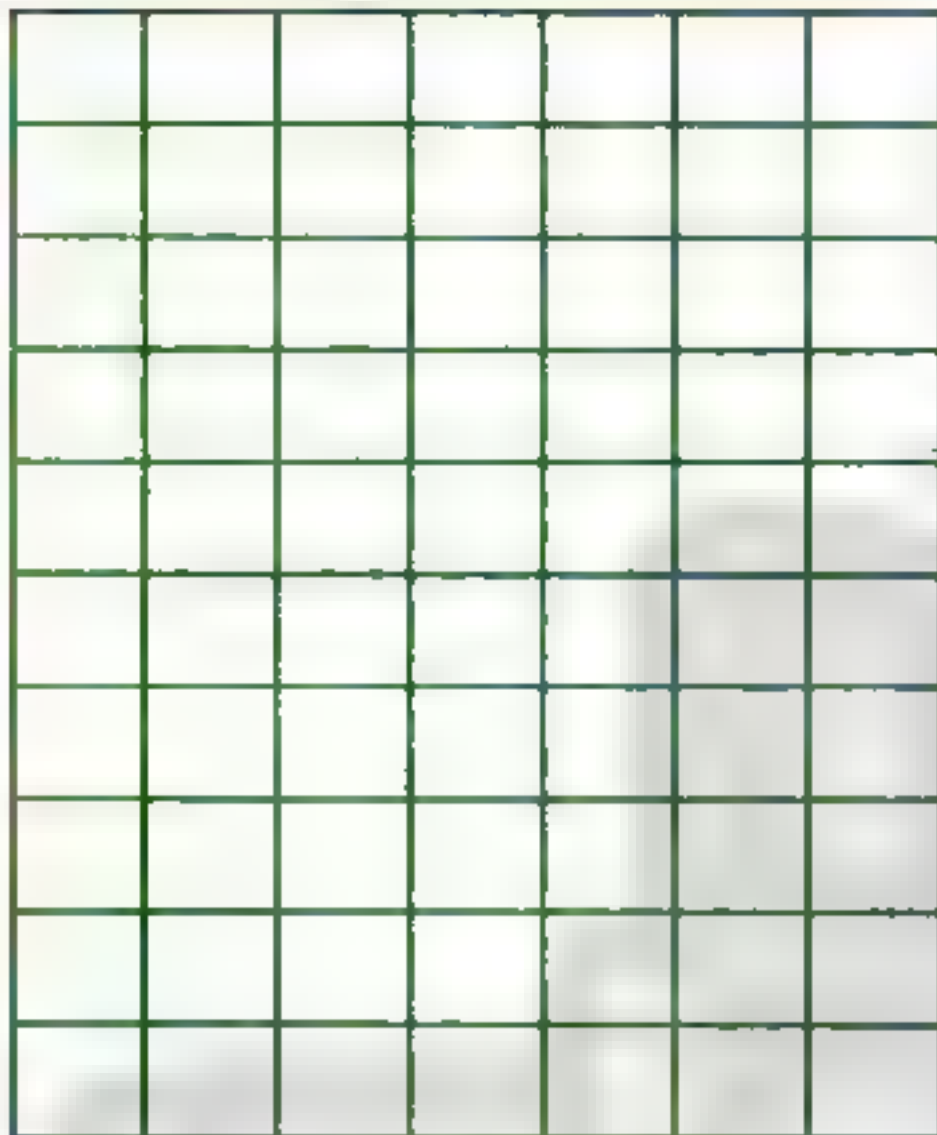


BAKKAR

## The polygons

3

Find the area of the following rectangles:



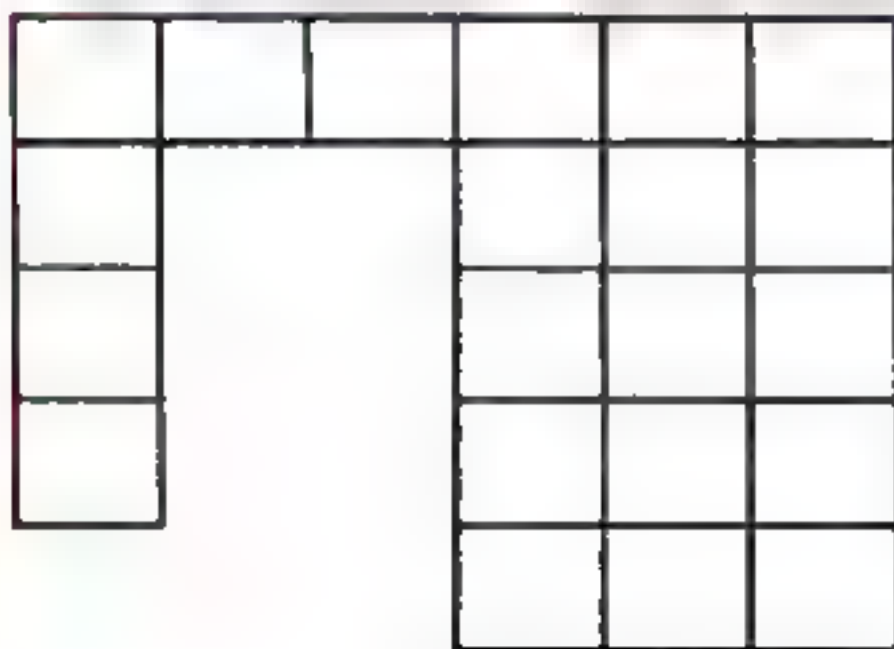
The area = ..... Square unit



The area = .. Square unit

4

Find the area of the following garden :



The area = Square unit



The area = Square unit

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Primary 3 - Term 1

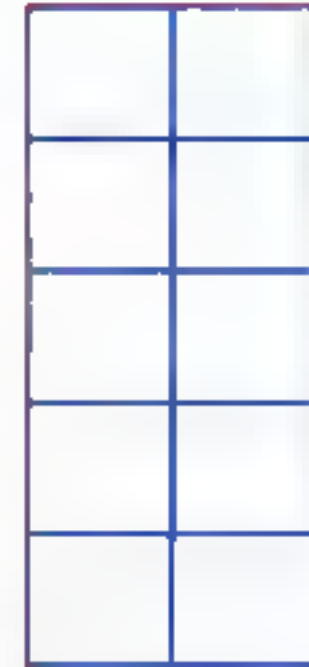


## Lesson

( 36 , 37 )

## Definition of the area

Activity 1 Notice :



Number of units =  $5 \times 2$   
= 10 Square unit

Number of units =  $2 \times 5$   
= 10 Square unit

Notice :  $2 \times 5 = 5 \times 2$

so we say : commutative is allow

Exercise 1 Complete :

(a) If  $3 \times 7 = 21$  then  $7 \times 3 = \dots\dots\dots$

(b) If  $6 \times 2 = 12$  then  $2 \times 6 = \dots\dots\dots$

(c) If  $3 \times 9 = 27$  then  $9 \times 3 = \dots\dots\dots$

(d) If  $4 \times 10 = 40$  then  $10 \times 4 = \dots\dots\dots$

(e) If  $1 \times 9 = 9$  then  $9 \times 1 = \dots\dots\dots$

Bakkar Series

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BAKKAR

## The polygons

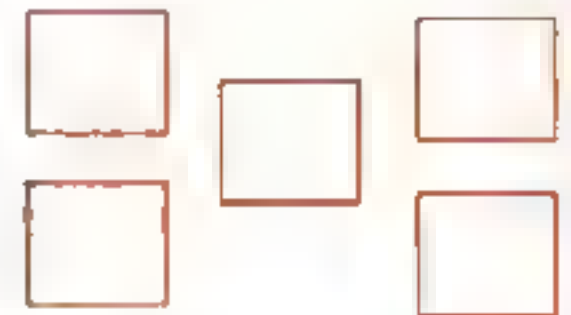
## Activity 2 Diagonal of the square :

It is line segment connecting two non-consecutive vertices .  
And divide it into two congruent triangles.



Math Journal

**Challenge:** How many triangles needed to make 5 squares?



Exercise

2

Complete the following :

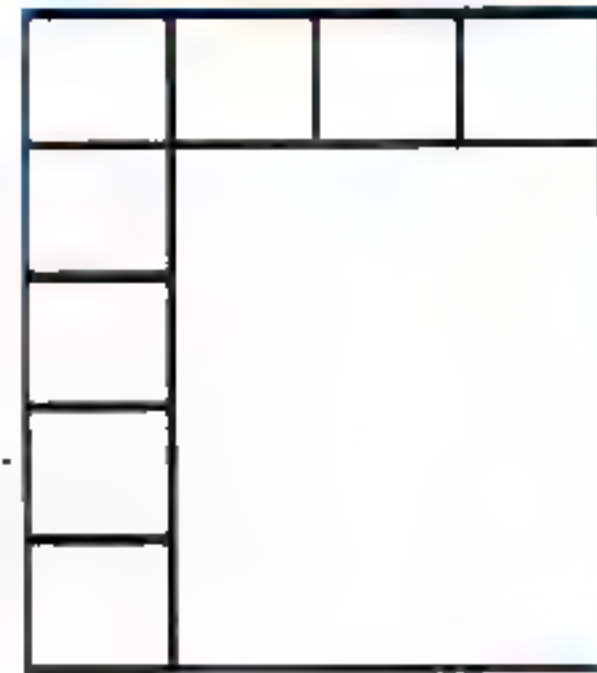
	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0										
1	0	1								9			
2	0	2	4										
3			6									33	
4													
5			10										
6										60			
7								49					
8													
9									72				
10													
11											110		
12						60							



## Chapter 4

Activity 3 Determine the area of the rectangle :

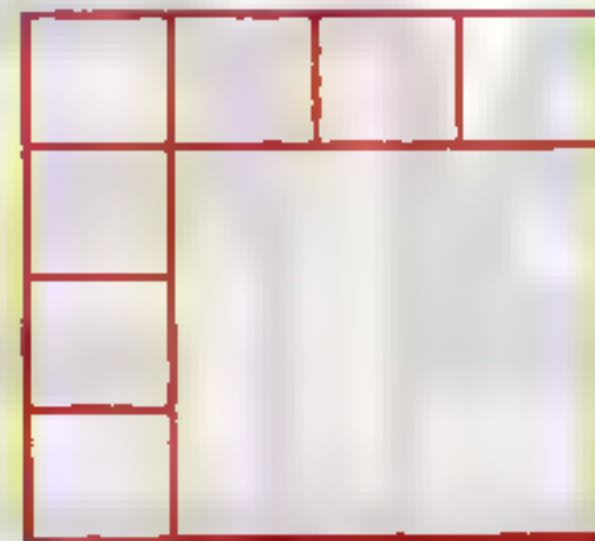
The area = No. Rows  $\times$  No. Columns  
 $= 5 \times 4$   
 $= 20$  Square unit



Exercise 3 Determine the area of the following figures :

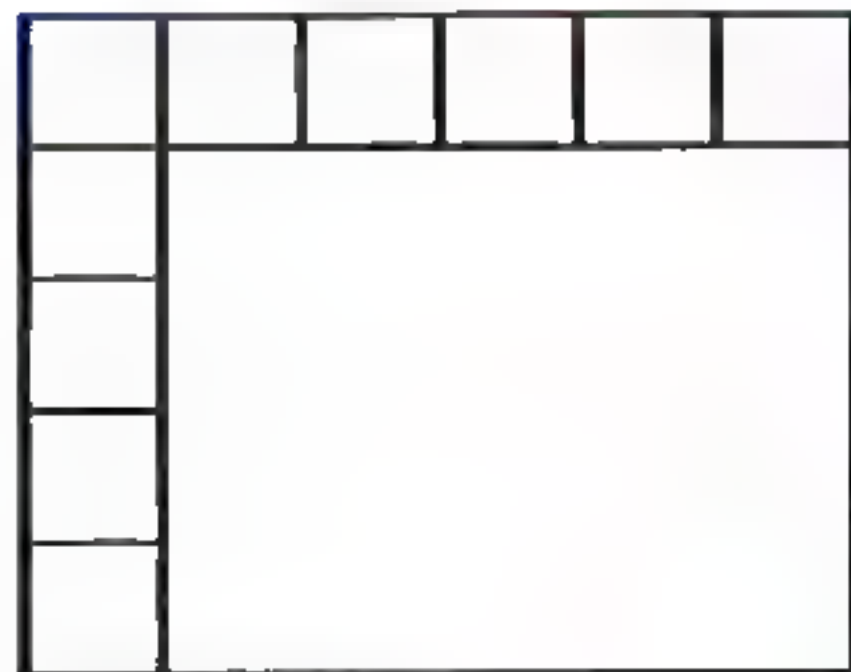


The area =  $4 \times 3$   
 $=$  Square unit



The area =  $\dots \times \dots$   
 $=$  Square unit

The area =  $\dots \times \dots$   
 $=$  Square unit



Bakkar Series

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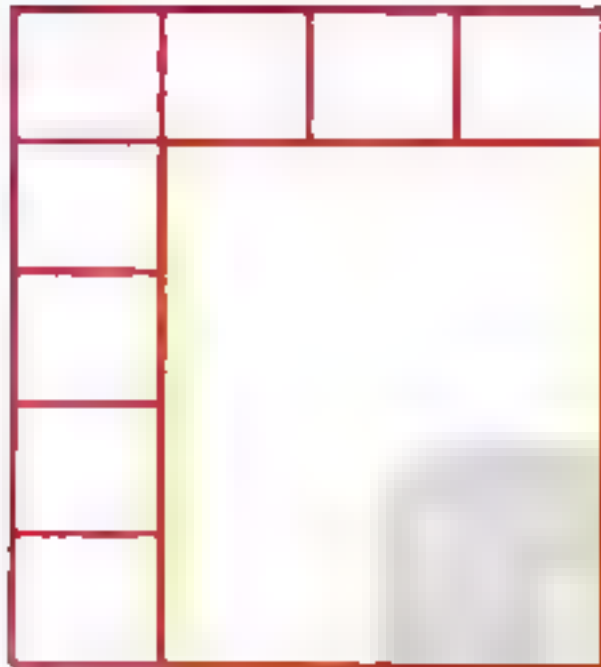
هذا العمل خاص بموقع ذاكرولى التعليمى ولا يسمح بتداوله على مواقع أخرى



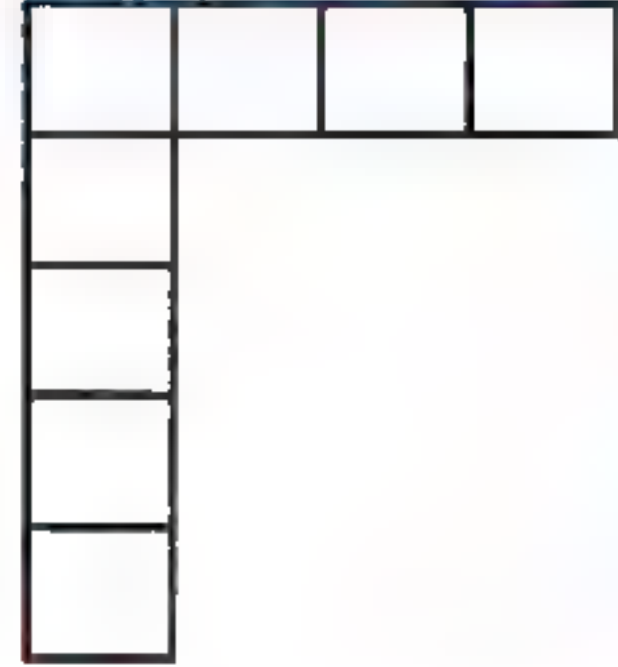
BAKKAR

## The polygons

Activity 4 Notice the difference between the area of the following :

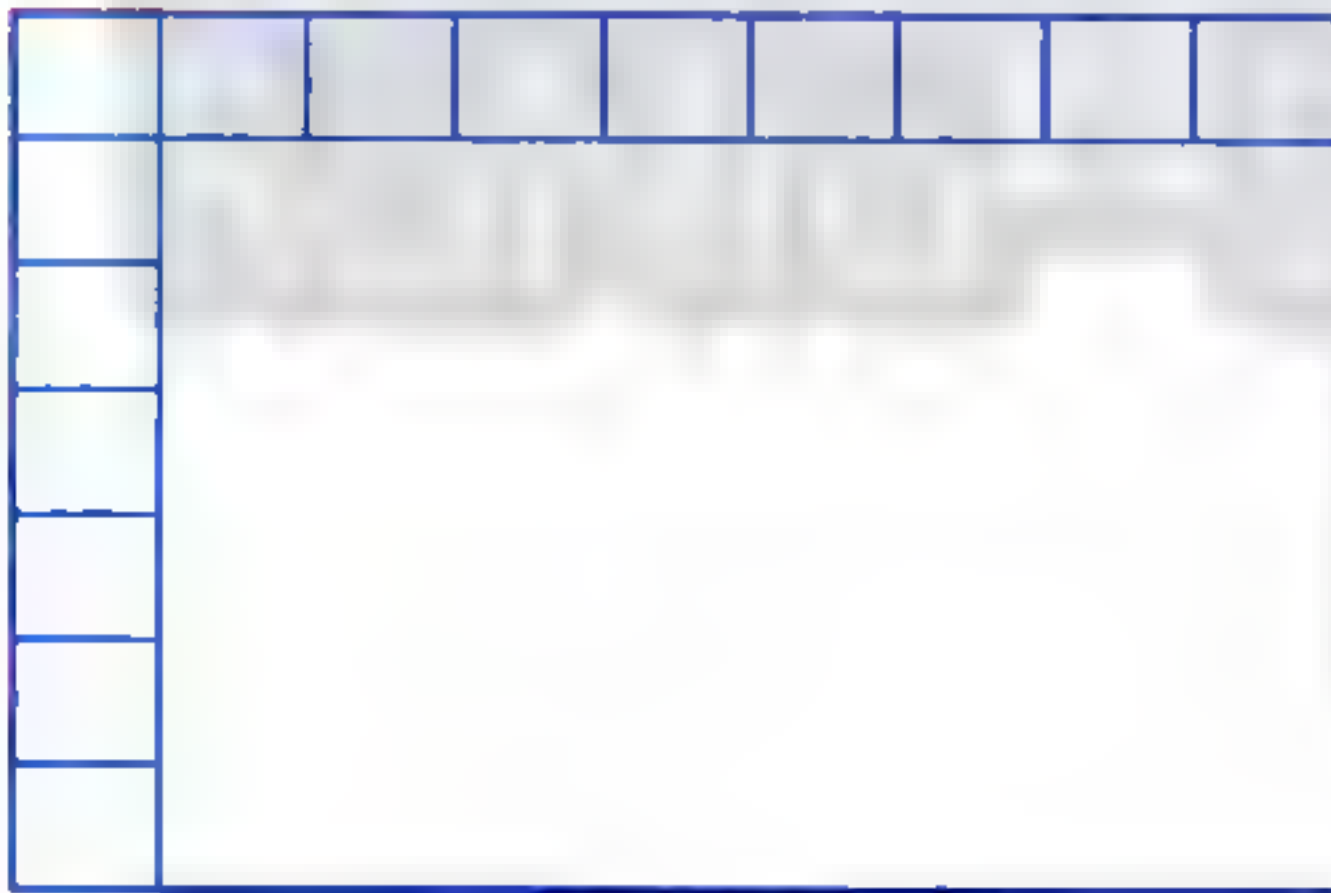


$$\begin{aligned}\text{The area} &= \text{No. Rows} \times \text{No. Columns} \\ &= 5 \times 4 \\ &= 20 \text{ Square unit}\end{aligned}$$

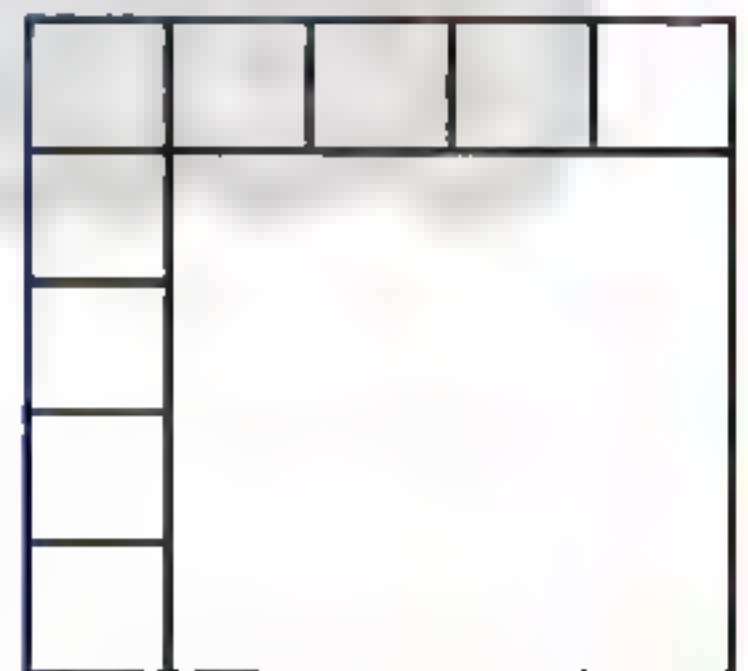


$$\begin{aligned}\text{The area} &= \text{No. Of square units} \\ &= 8 \text{ Square unit}\end{aligned}$$

Exercise 1 Determine the area of the rectangle :



$$\begin{aligned}\text{The area} &= \dots \times \dots \\ &= \dots \text{ Square unit}\end{aligned}$$

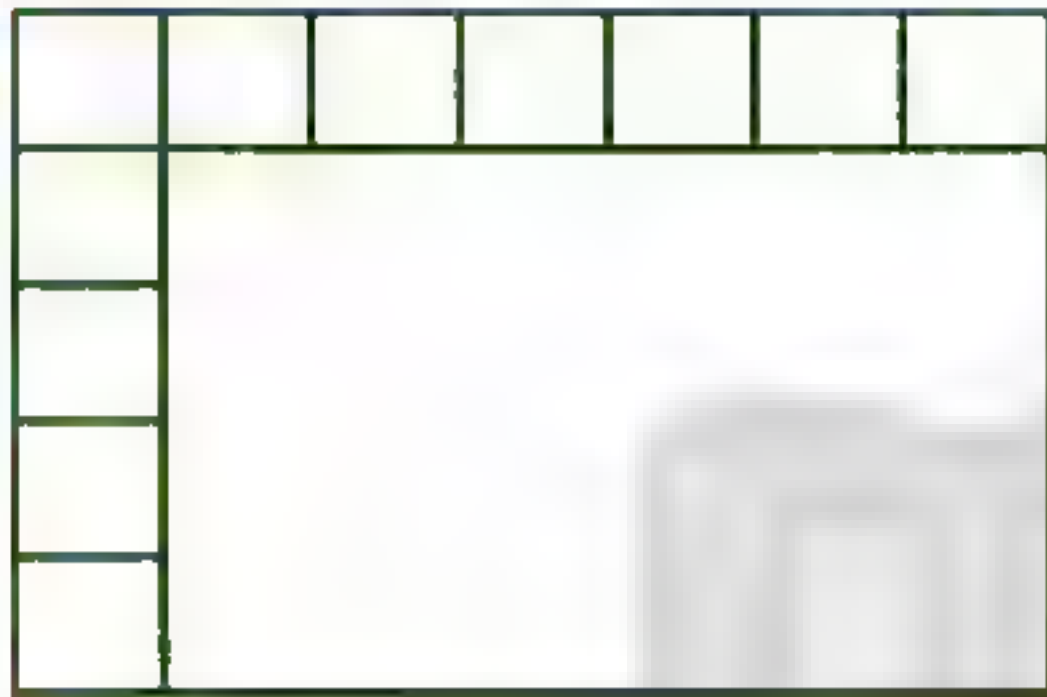


$$\begin{aligned}\text{The area} &= \dots \times \dots \\ &= \dots \text{ Square unit}\end{aligned}$$



## Self - check on lesson (36 , 37)

1 Determine the area of the rectangle :



The area = .....  $\times$  .....  
= ..... Square unit



The area = .....  $\times$  .....  
= ..... Square unit



The area = .....  $\times$  .....  
= ..... Square unit



The area = .....  $\times$  .....  
= ..... Square unit

2 Shad to represent area of rectangle = 15 units :



Bakkar Series

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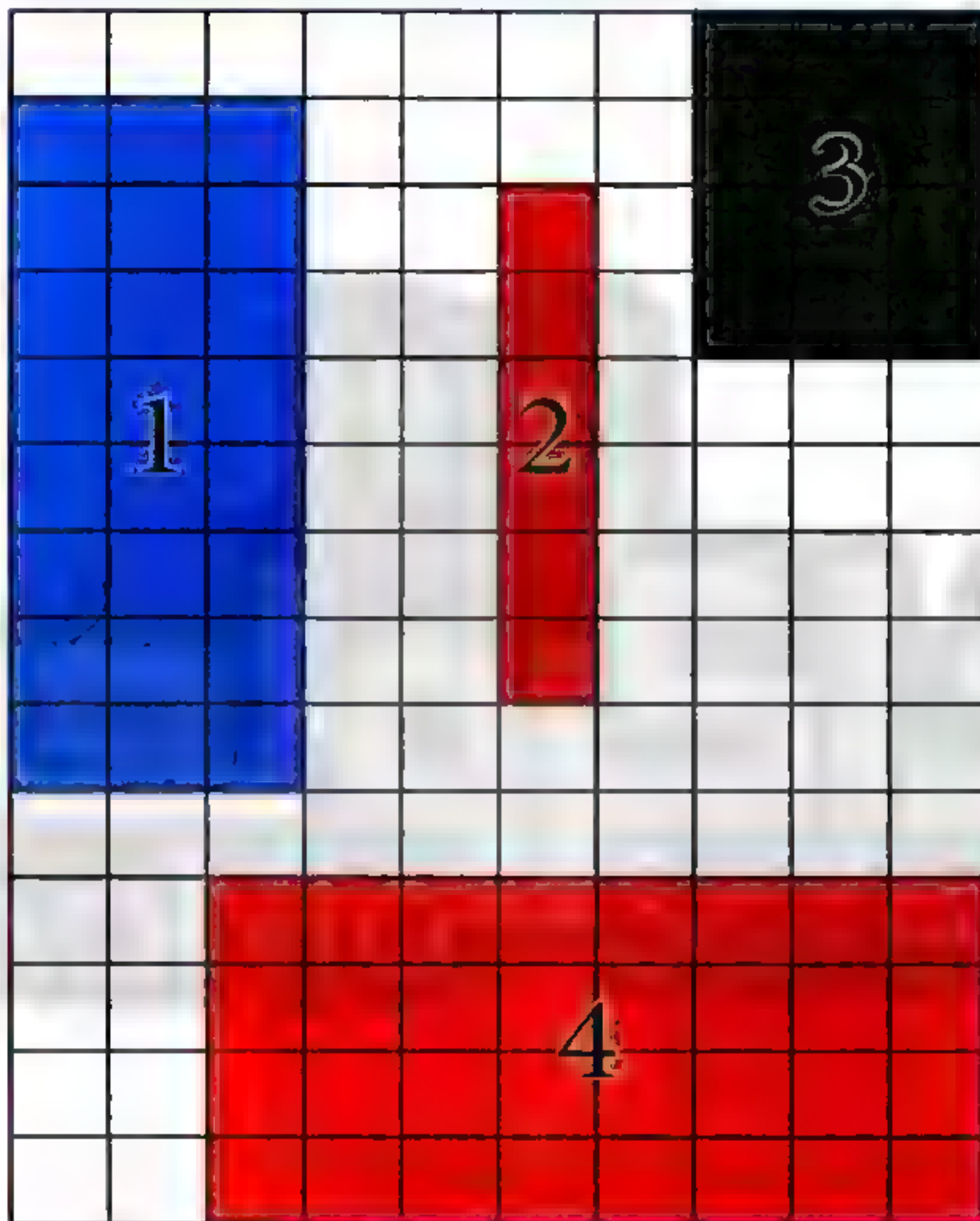


BAKKAR

## The polygons

3

Determine the area of the following figures :



The figure	1	2	3	4
The area			...	



## Lesson

( 38 , 39 , 40 )

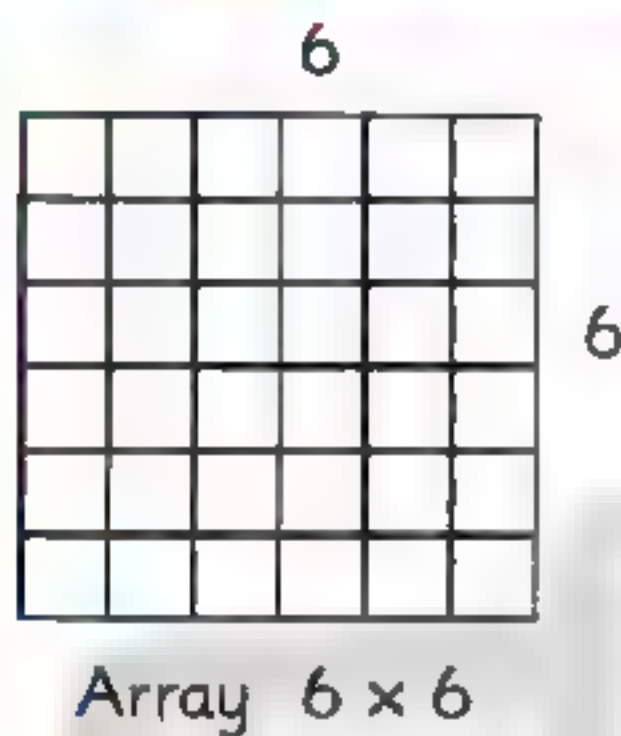
The distributive property  
to solve multiplication problems

## Distributive property in multiplication

Activity

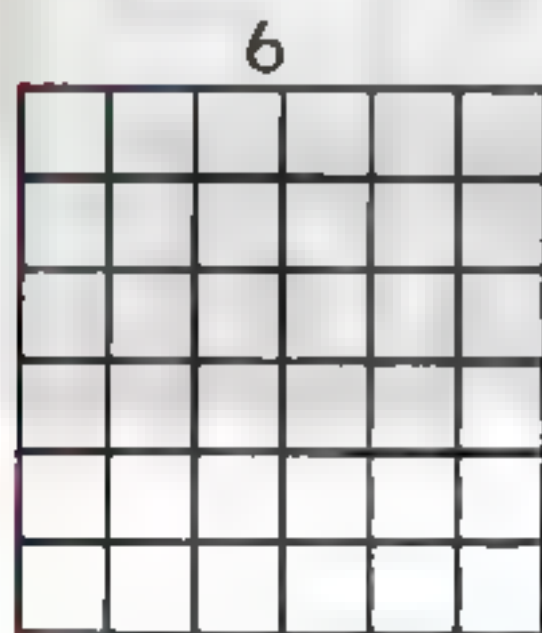
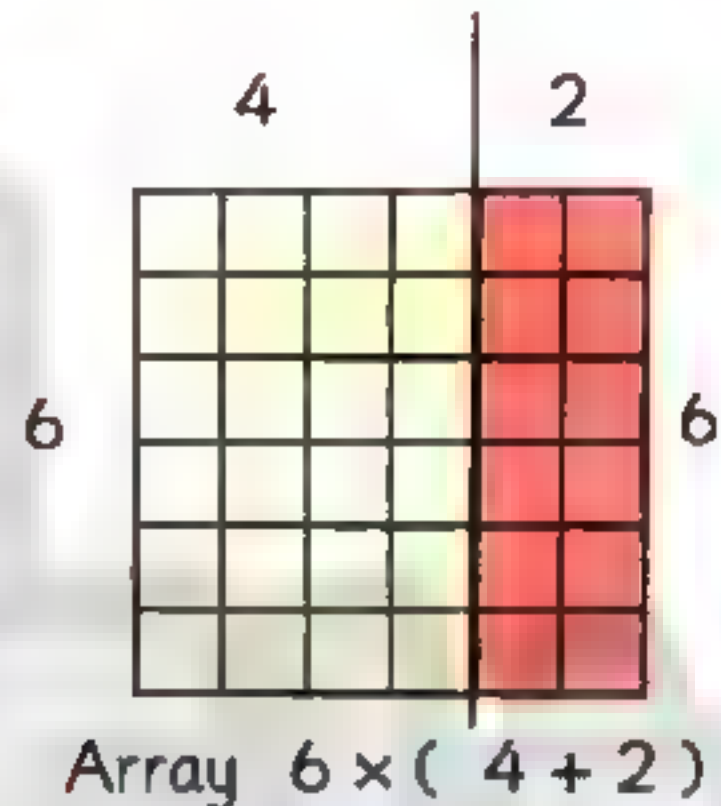


Notice :



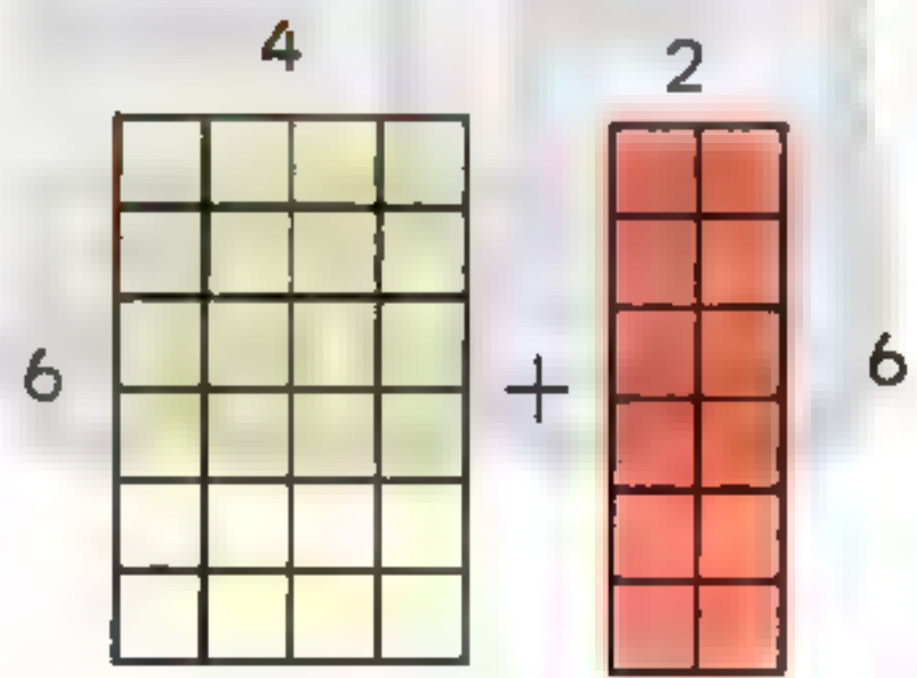
=

=



=

=



**Deduction :**  $6 \times 6 = 6 \times (4 + 2) = (6 \times 4) + (6 \times 2)$   
 $= 24 + 12 = 36$

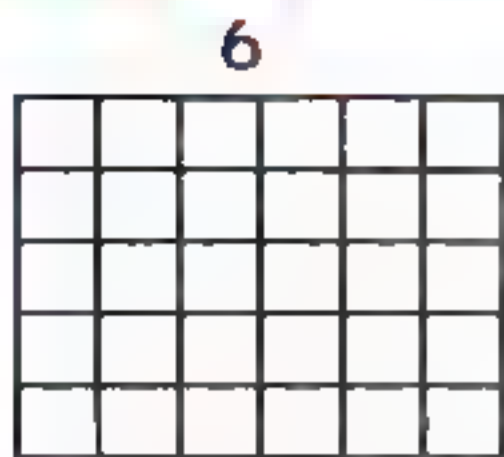
This property is called (multiplication distributive property)

Bakkar Series

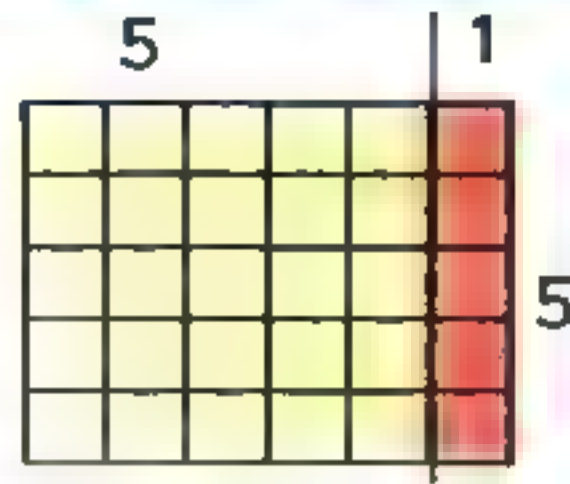
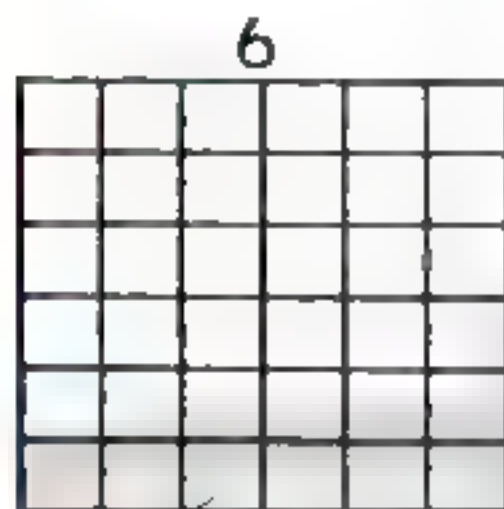
153



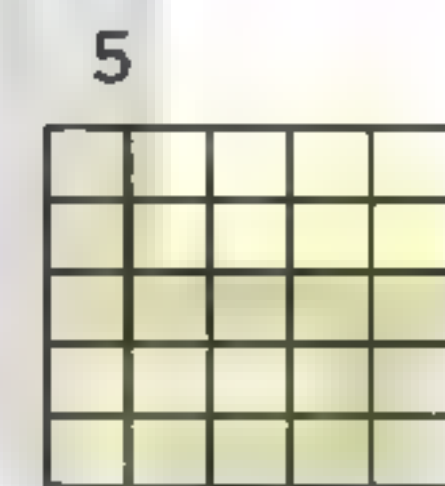
## Activity 2

Use the distributive property to find  $5 \times 6$  :Array  $5 \times 6$ 

5 =

Array  $5 \times (5 + 1)$ Array  $5 \times 6$ 

5 =

Array  $5 \times 5$ 

+

Array  $5 \times 1$ 

$$5 \times 6 = 5 \times 5 + 5 \times 1$$

$$= 5 \times (5 + 1) = (5 \times 5) + (5 \times 1)$$

## Exercise 1

Use the distributive property to find :

$$* 6 \times 9 = 6 \times (5 + 4) = 6 \times 5 + 6 \times 4$$

$$= \quad + \quad =$$

$$* 4 \times 8 = 4 \times (5 + 3) = \quad \times \quad + \quad \times$$

$$= \quad + 12 =$$

$$* 3 \times 7 = 3 \times (3 + 4) = \quad \times \quad + \quad \times$$

$$= 9 + \quad =$$

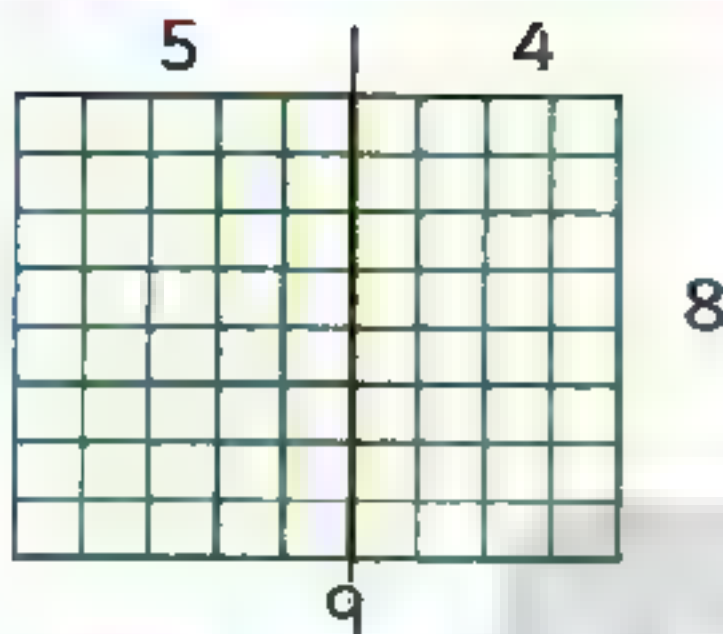


## Chapter 4

Activity

3

Use the distributive property to find :



$$8 \times 5 = 40$$

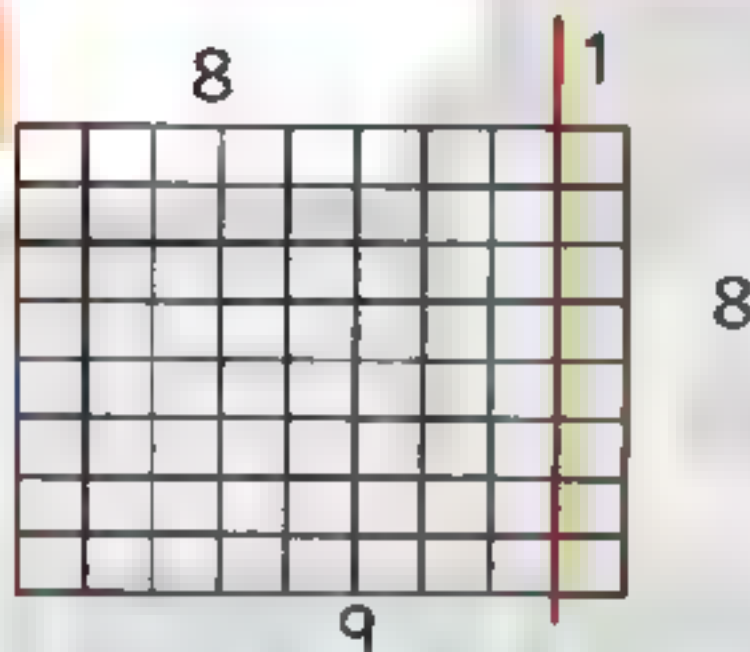
$$8 \times 4 = 32$$

$$40 + 32 = 72$$

$$8 \times 9 = 72$$

$$8 \times 9 = 8 \times (5 + 4) = (8 \times 5) + (8 \times 4)$$

Another method



$$8 \times 8 = 64$$

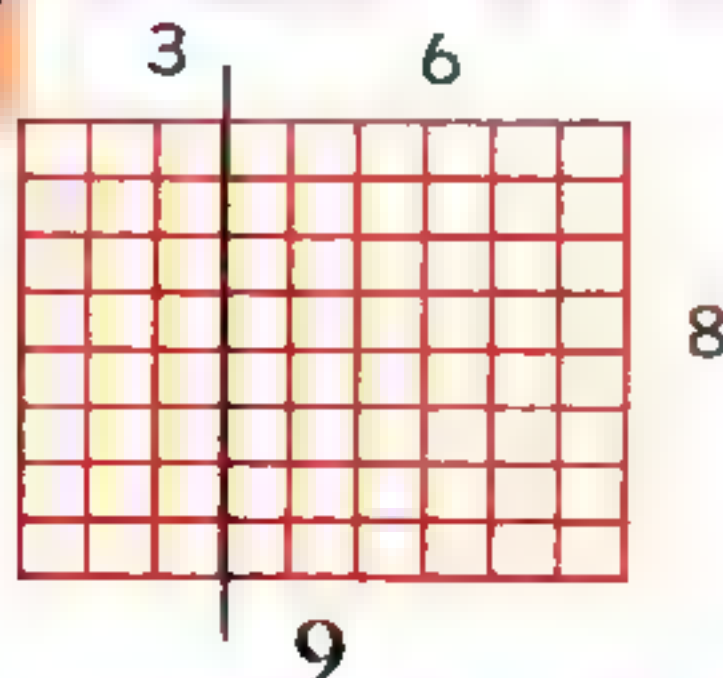
$$8 \times 1 = 8$$

$$64 + 8 = 72$$

$$8 \times 9 = 72$$

$$8 \times 9 = 8 \times (8 + 1) = (8 \times 8) + (8 \times 1)$$

Another method



$$8 \times 3 = 24$$

$$8 \times 6 = 48$$

$$24 + 48 = 72$$

$$8 \times 9 = 72$$

$$8 \times 9 = 8 \times (3 + 6) = (8 \times 3) + (8 \times 6)$$

Bakkar Series

155

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى



BAKKAR

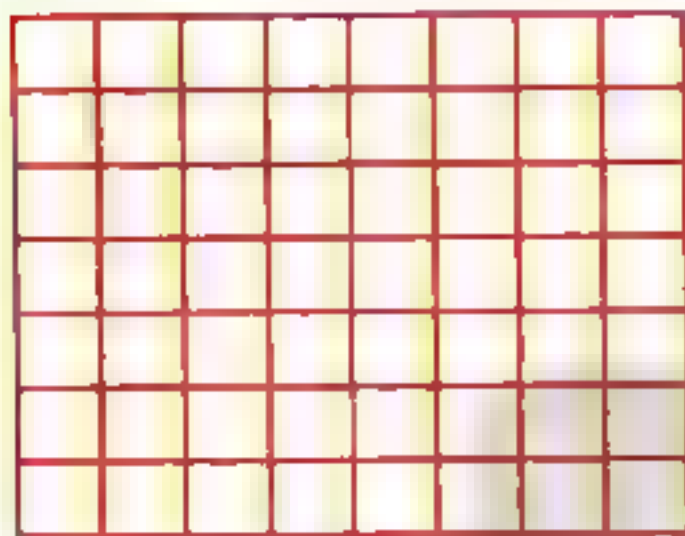
## The polygons

Exercise

2

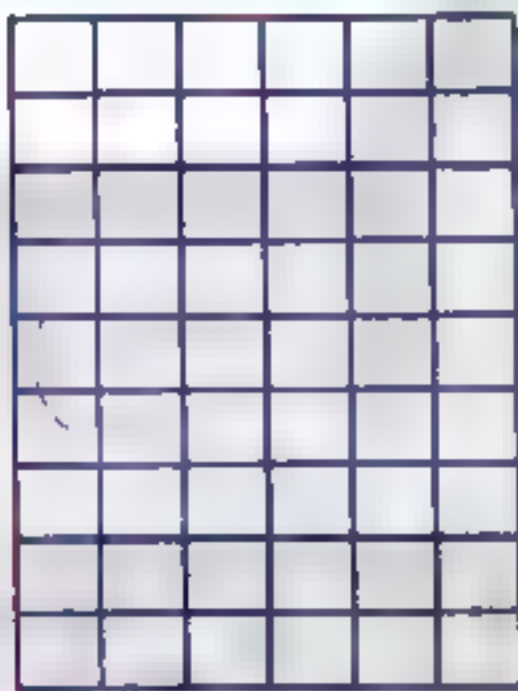
Use the distributive property to find :

Math Journal



$$\begin{array}{rcl}
 \dots \times \dots & = & \boxed{\phantom{000}} \\
 \dots \times \dots & = & \boxed{\phantom{000}} \\
 \boxed{\phantom{000}} + \boxed{\phantom{000}} & = & \bigcirc \phantom{000} \\
 7 \times 8 & = & \dots
 \end{array}$$

$$7 \times 8 = 7 \times ( \dots + \dots ) = ( 7 \times \dots ) + ( 7 \times \dots )$$



$$\begin{array}{rcl}
 \dots \times \dots & = & \boxed{\phantom{000}} \\
 \dots \times \dots & = & \boxed{\phantom{000}} \\
 \boxed{\phantom{000}} + \boxed{\phantom{000}} & = & \bigcirc \phantom{000} \\
 9 \times 6 & = & \dots
 \end{array}$$

$$9 \times 6 = 9 \times ( \dots + \dots ) = ( \dots \times \dots ) + ( 9 \times \dots )$$



$$\begin{array}{rcl}
 \dots \times \dots & = & \boxed{\phantom{000}} \\
 \dots \times \dots & = & \boxed{\phantom{000}} \\
 \boxed{\phantom{000}} + \boxed{\phantom{000}} & = & \bigcirc \phantom{000} \\
 8 \times 2 & = & \dots
 \end{array}$$

$$8 \times 2 = \dots \times ( \dots + \dots ) = ( \dots \times \dots ) + ( \dots \times \dots )$$

156

Primary 3 - Term 1

ذاكرولى

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى

كتاب بكار

موقع ذاكرولى التعليمي

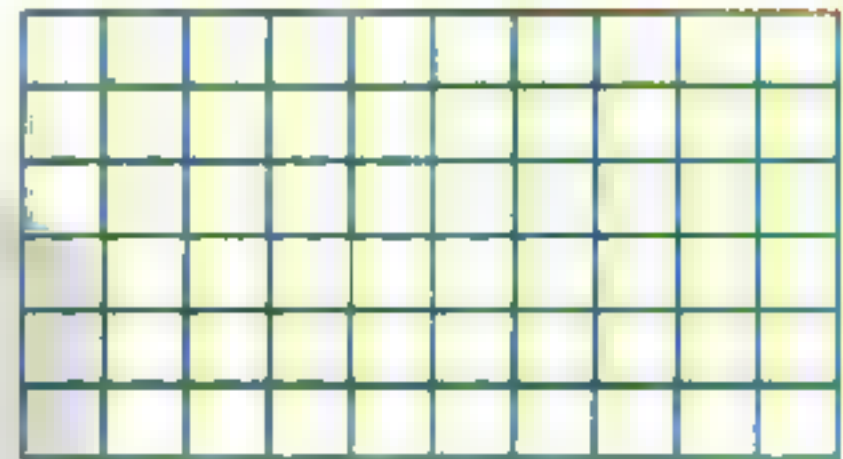
الصف الثالث الابتدائي



## Self - check on lesson ( 38 , 39 , 40 )

1 Use the distributive property to find :

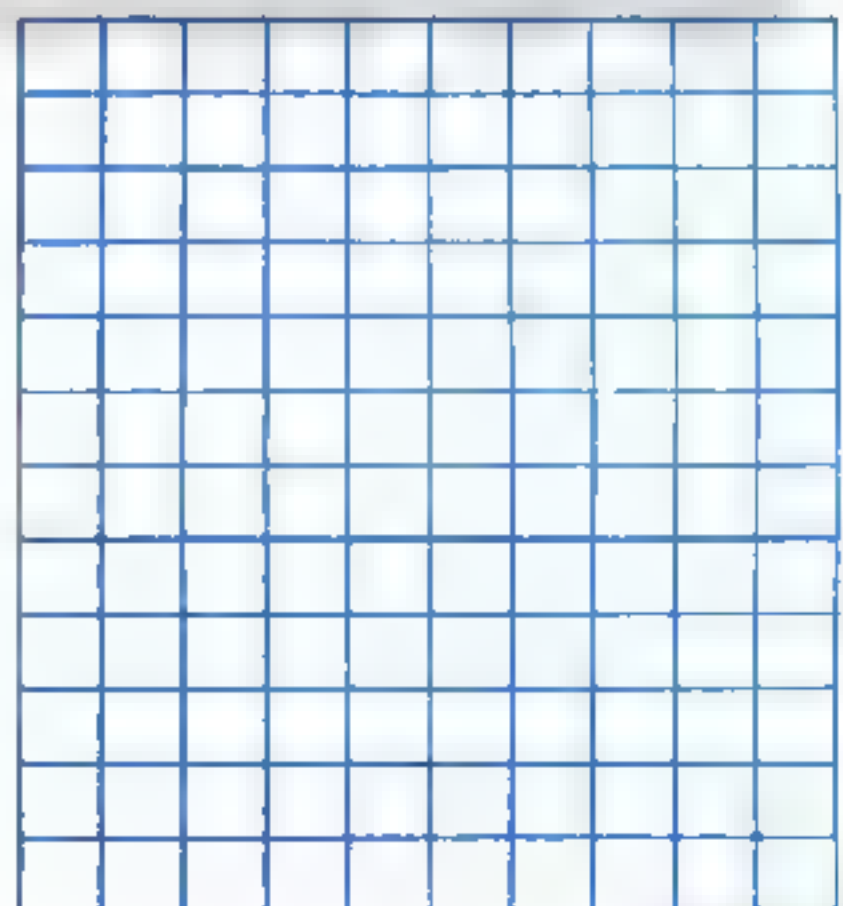
$$\begin{array}{rcl} \square \times \square & = & \square \\ \square \times \square & = & \square \\ \square + \square & = & \square \\ 6 \times 10 & = & \square \end{array}$$



$$\begin{array}{rcl} \square \times \square & = & \square \\ \square \times \square & = & \square \\ \square + \square & = & \square \\ 4 \times 6 & = & \square \end{array}$$



$$\begin{array}{rcl} \square \times \square & = & \square \\ \square \times \square & = & \square \\ \square + \square & = & \square \\ 12 \times 10 & = & \square \end{array}$$



Bakkar Series

157

هذا العمل خاص بموقع ذاكرولى التعليمى ولا يسمح بتداوله على مواقع أخرى



BAKKAR

## The polygons

2

Use the distributive property to find :

$$\begin{aligned}
 5 \times 9 &= 5 \times (5 + \dots) \\
 &= 5 \times 5 + 5 \times \dots \\
 &= \dots + \dots \\
 &= \dots
 \end{aligned}$$

$$\begin{aligned}
 7 \times 8 &= 7 \times (4 + \dots) \\
 &= 7 \times 4 + 7 \times \dots \\
 &= \dots + \dots \\
 &= \dots
 \end{aligned}$$

$$\begin{aligned}
 9 \times 9 &= 9 \times (6 + \dots) \\
 &= 9 \times 6 + 9 \times \dots \\
 &= \dots + \dots \\
 &= \dots
 \end{aligned}$$

$$\begin{aligned}
 11 \times 5 &= 11 \times (3 + \dots) \\
 &= 11 \times \dots + 11 \times \dots \\
 &= 33 + \dots \\
 &= \dots
 \end{aligned}$$

$$\begin{aligned}
 8 \times 6 &= 8 \times (\dots + 3) \\
 &= 8 \times \dots + \dots \times 3 \\
 &= \dots + \dots \\
 &= \dots
 \end{aligned}$$

$$\begin{aligned}
 12 \times 6 &= 12 \times (4 + \dots) \\
 &= 12 \times 4 + 12 \times \dots \\
 &= \dots + \dots \\
 &= \dots
 \end{aligned}$$

$$\begin{aligned}
 9 \times 12 &= 9 \times (2 + \dots) \\
 &= 9 \times 2 + 9 \times \dots \\
 &= \dots + \dots \\
 &= \dots
 \end{aligned}$$

$$\begin{aligned}
 1 \times 12 &= 1 \times (10 + \dots) \\
 &= 1 \times 10 + 1 \times \dots \\
 &= \dots + \dots \\
 &= \dots
 \end{aligned}$$

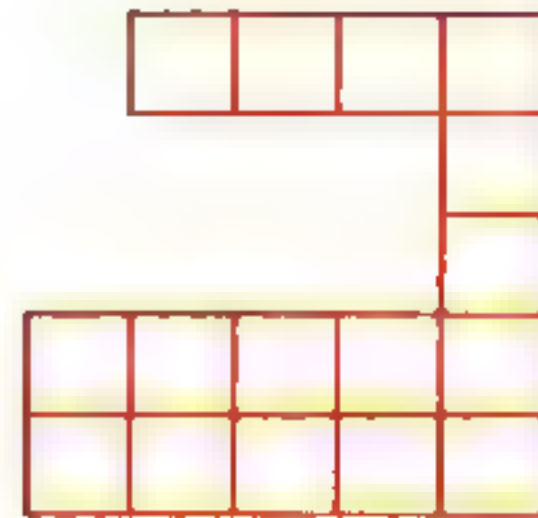


## Self - check 2 Chapter 4

1 Find the area of the following shapes :

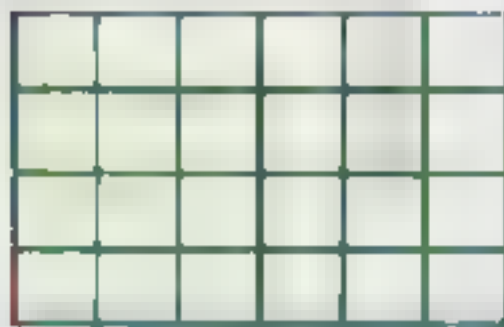


The area = ..... units



The area = ..... units

2 Use the distributive property to find :



$$\begin{array}{rcl}
 \times & = & \square \\
 \times & = & \square \\
 \square + \square & = & \bigcirc \\
 4 \times 6 & = & 
 \end{array}$$

3 **Jana** is plant pumpkin. Each pumpkin needs one square unit . **Jana** wants to make the garden of 2 rows of 9 square units in each .  
How many pumpkin plants can be grown in the garden?  
What is the area of her garden in square units?

The solution :      Number of plant =       $\times$       =      plant  
The area of garden =      square units

Bakkar Series

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Self - check **2** Chapters 1,2,3,4

**1** Determine the area of the following rectangles :



The area =  $\times$  .....  
= ..... Square unit



The area =  $\times$  .....  
= ..... Square unit

**2** Complete :

$$\begin{aligned} 8 \times 12 &= 8 \times (2 + \dots) \\ &= 8 \times 2 + 8 \times \dots \\ &= \dots \end{aligned}$$

$$\begin{aligned} 3 \times 12 &= 3 \times (10 + \dots) \\ &= 3 \times 10 + 3 \times \dots \\ &= \dots \end{aligned}$$

$$4 \times 7 = 28$$

$$8 \times 5 = 40$$

$$28 \div 4 = \dots$$

$$28 \div 7 = \dots$$

$$40 \div 5 = \dots$$

$$40 \div 4 = \dots$$

**3** Represent the relation between the polygon and the number of its sides in the following bar graph :

The number



Rhombus

Rectangle

Parallelogram

Trapezium

Square

The polygon

For more exercises follow the Bakkar Self-check page (210)





## Chapter 5

### The perimeter and The area

#### Key Vocabulary

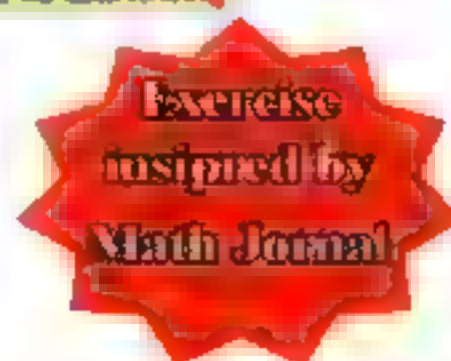
Measurement	قياس
Multiple of a number	مضاعف العدد
Open shape	شكل مفتوح
Perimeter	محيط
Properties	الخواص
Strategy	استراتيجية
The actual	الفعلي

Cm	سم
Estimate	التقدير
Height	الإرتفاع
Length	الطول
Linear	خطي
Linear measurement	قياس خطي

نفوقه في أي عمل عليه العلامة دي



Content



Exercise  
inspired by  
Discover Book

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى



## Lesson

( 41 , 42 , 43 )

## The perimeter

## Activity 1 Number challenge :

## First pupils cards A

1 2 3 4 5 6 7 8 9 10

## Second pupils cards B

1 2 3 4 5 6 7 8 9 10

**Ex:** First factor card from pupil A as 7  
Second factor card from pupil B as 10

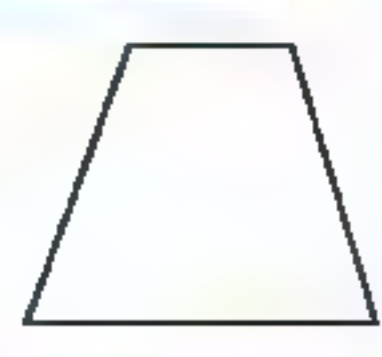
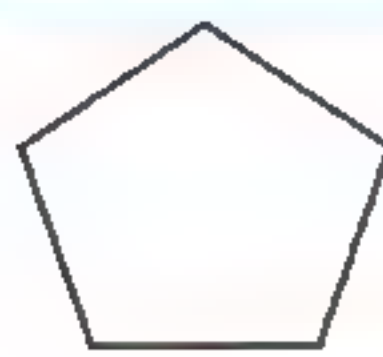
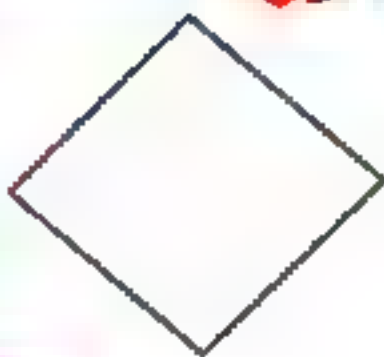
The product of  $7 \times 10 = 70$ 

Use one of the following strategies :

( Repeated Addition - skip count - array ) to find the product of multiplication

The first factor	The second factor	The product
7	10	$7 \times 10 = 70$

## Activity 2 Colour the quadrilateral with blue :

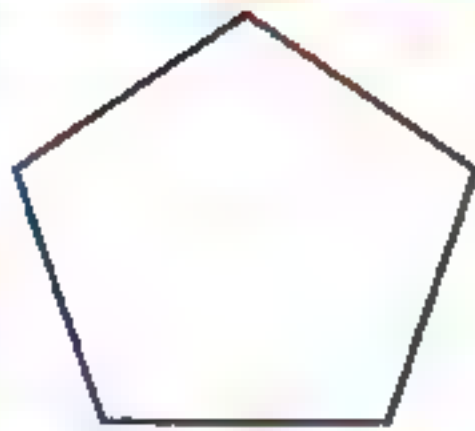


Primary (3) - Term 1



## Chapter 5

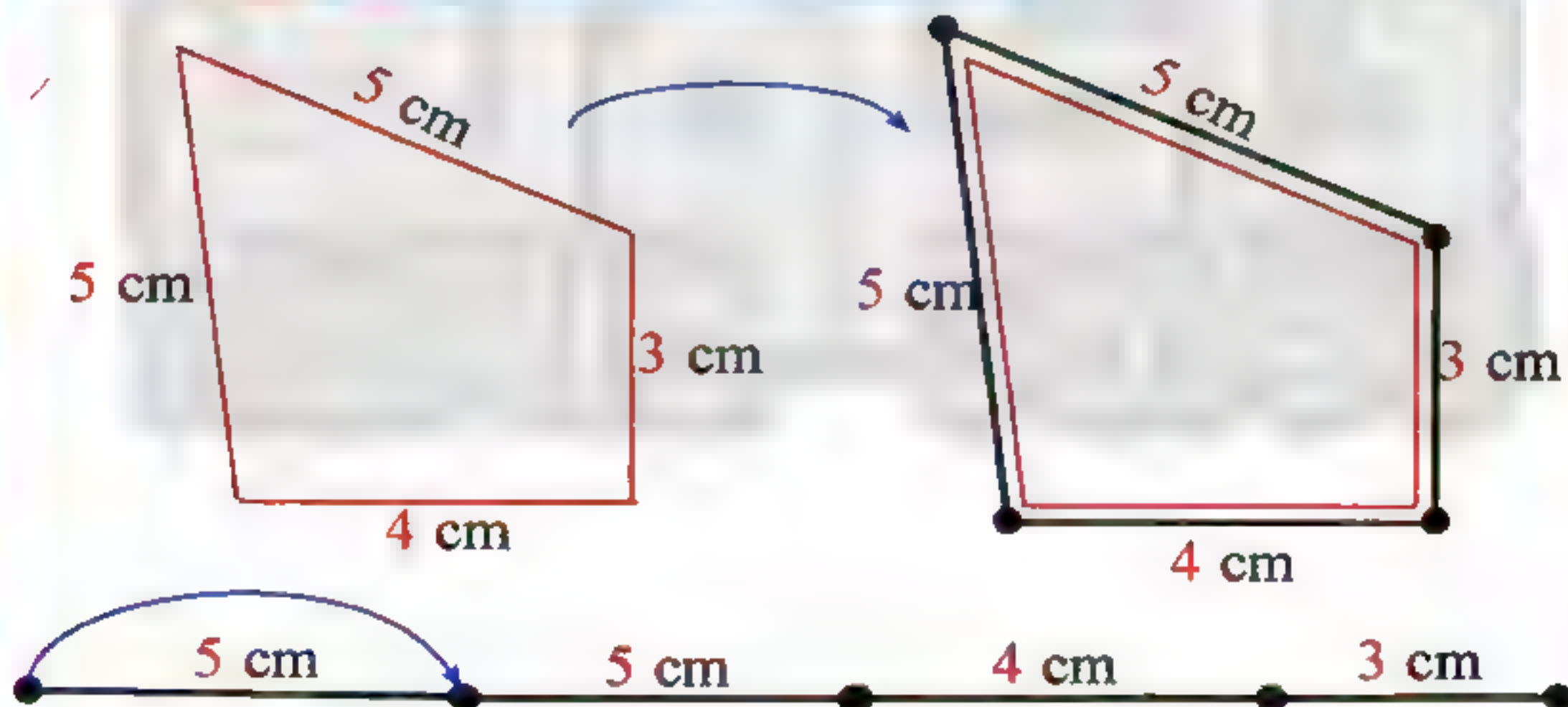
Activity 3 Put (✓) under the polygons :



Activity 4 Learn tools for measuring lengths :



Activity 5 Notice the following :

The length of the string =  $5 + 5 + 4 + 3 = 17$  cm**Deduce :** The perimeter is the length of the line around the shape

So that : The perimeter is a Linear measurement

Bakkar Series





BAKKAR

## Perimeter and Area

**The perimeter** : is the sum of the side lengths

Activity

6

Find the length of each side then find the perimeter ( **using ruler** ) :

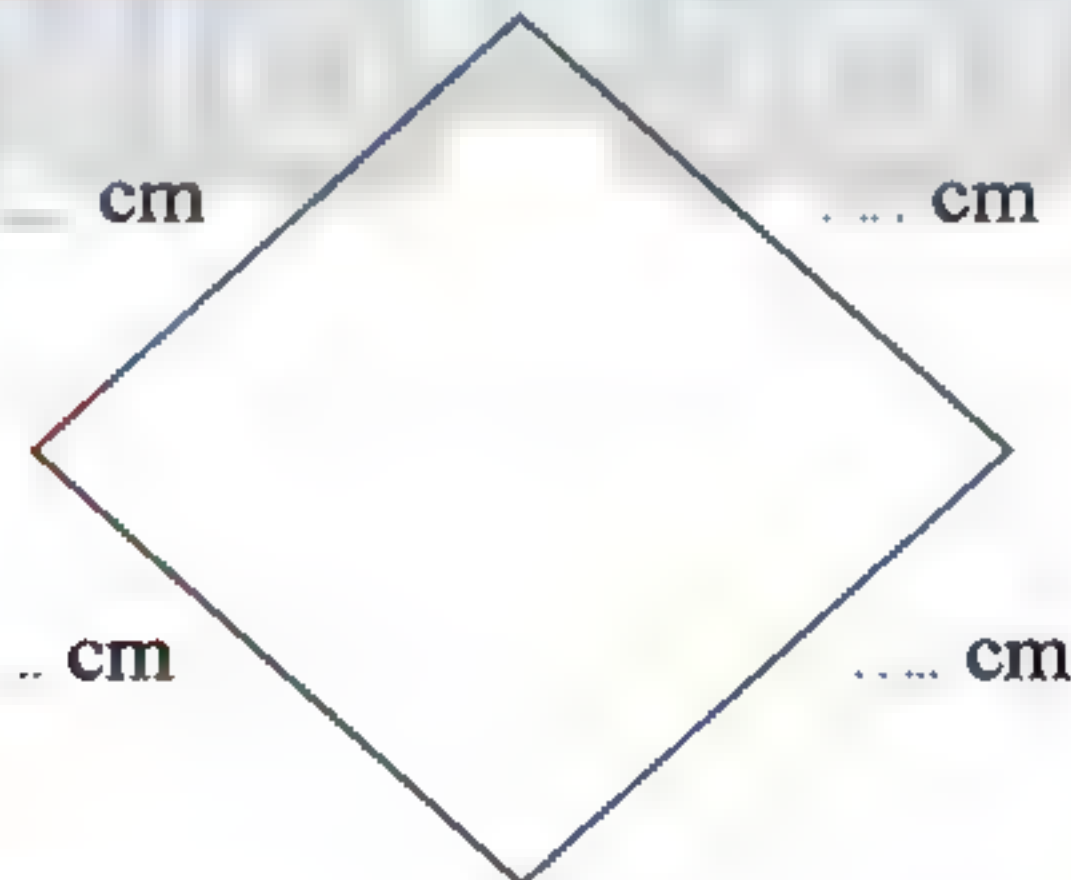


**The perimeter** = ..... + ..... + ..... + ..... = ..... cm

Exercise

1

Find the length of each side then find the perimeter ( **using ruler** ) :



**The perimeter** = ..... + ..... + ..... + ..... = ..... cm

Primary **3** - Term 1

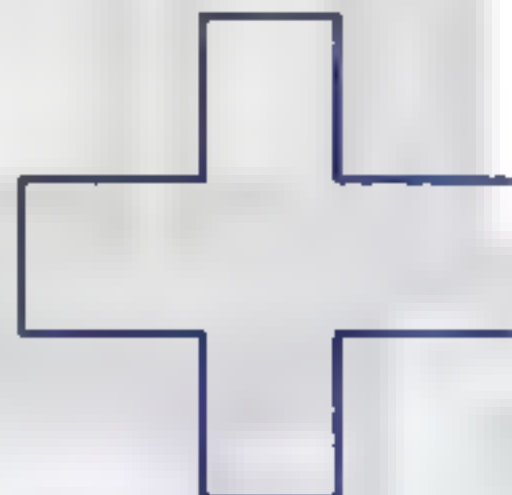
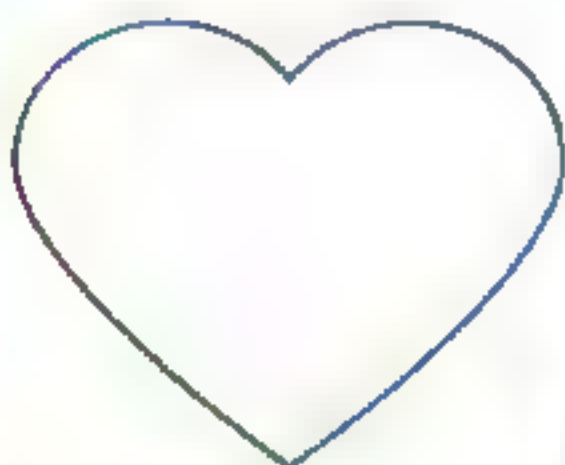
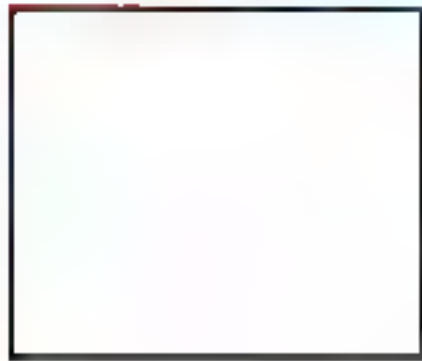


## Chapter 5

Exercise

2

Circle the polygons and remove the shapes that isn't polygons :



Exercise

3

Find the length of each side then find the perimeter ( using ruler ) :



Figure 1



Figure 2

Polygon	Perimeter
Figure 1	... + ... + ... + ... = ..... cm
Figure 2	... + ... + ... + ... + ... = ... cm

Bakkar Series





BAKKAR

## Perimeter and Area

Remember



Estimate the length using finger  
The length about = 3 cm

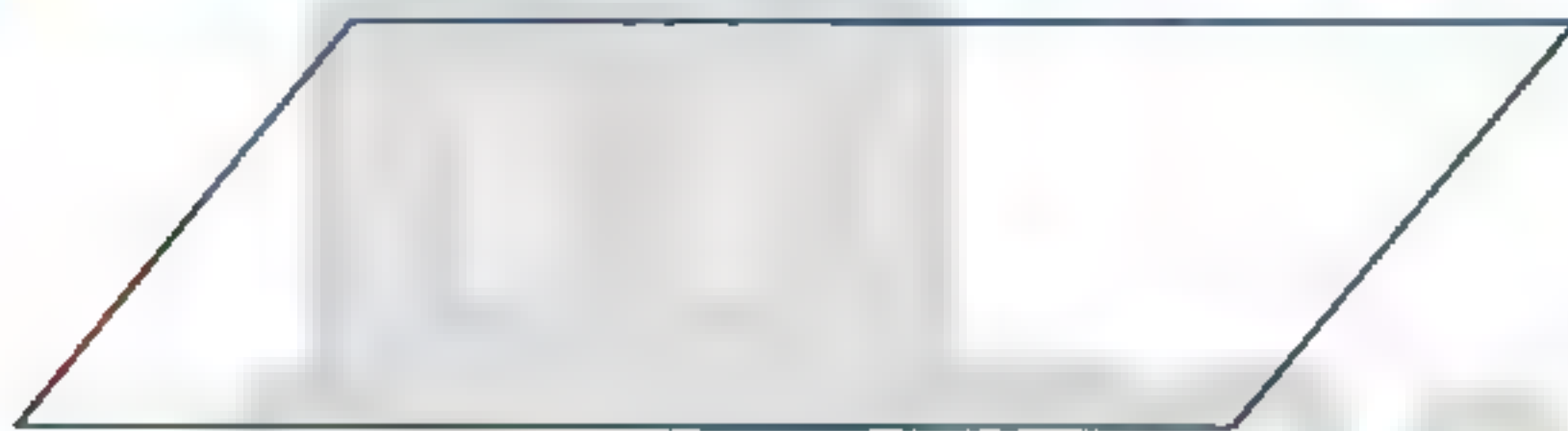


Using ruler to find the length  
The length = 4 cm

Exercise

4

Estimate the perimeter of the figure then find the real perimeter :



The estimation	
Side	Length (cm)
1	
2	
3	
4	
Perimeter	

The real	
Side	Length (cm)
1	
2	
3	
4	
Perimeter	



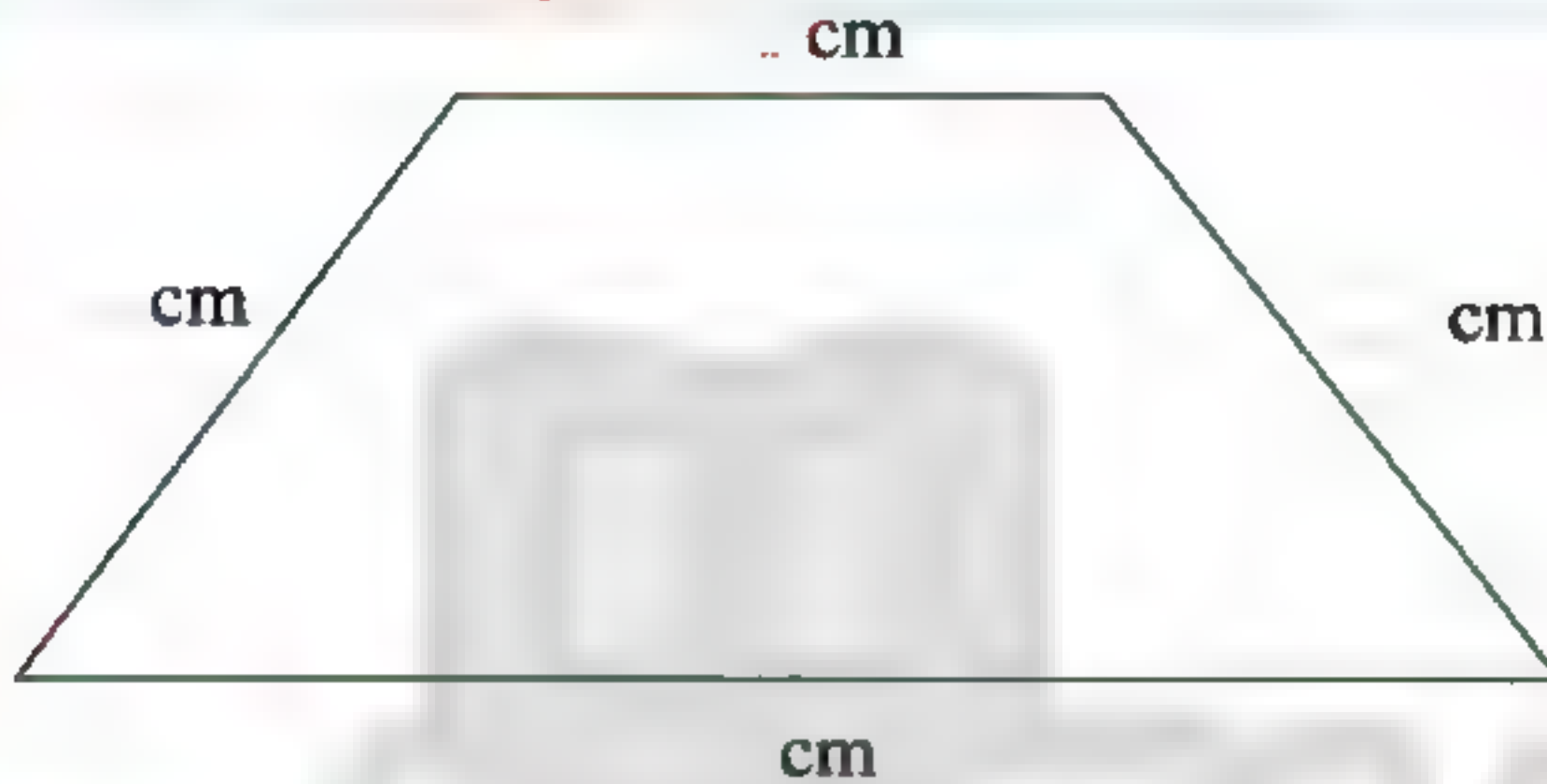
The estimation	
Side	Length (cm)
1	
2	
3	
Perimeter	

The real	
Side	Length (cm)
1	
2	
3	
Perimeter	



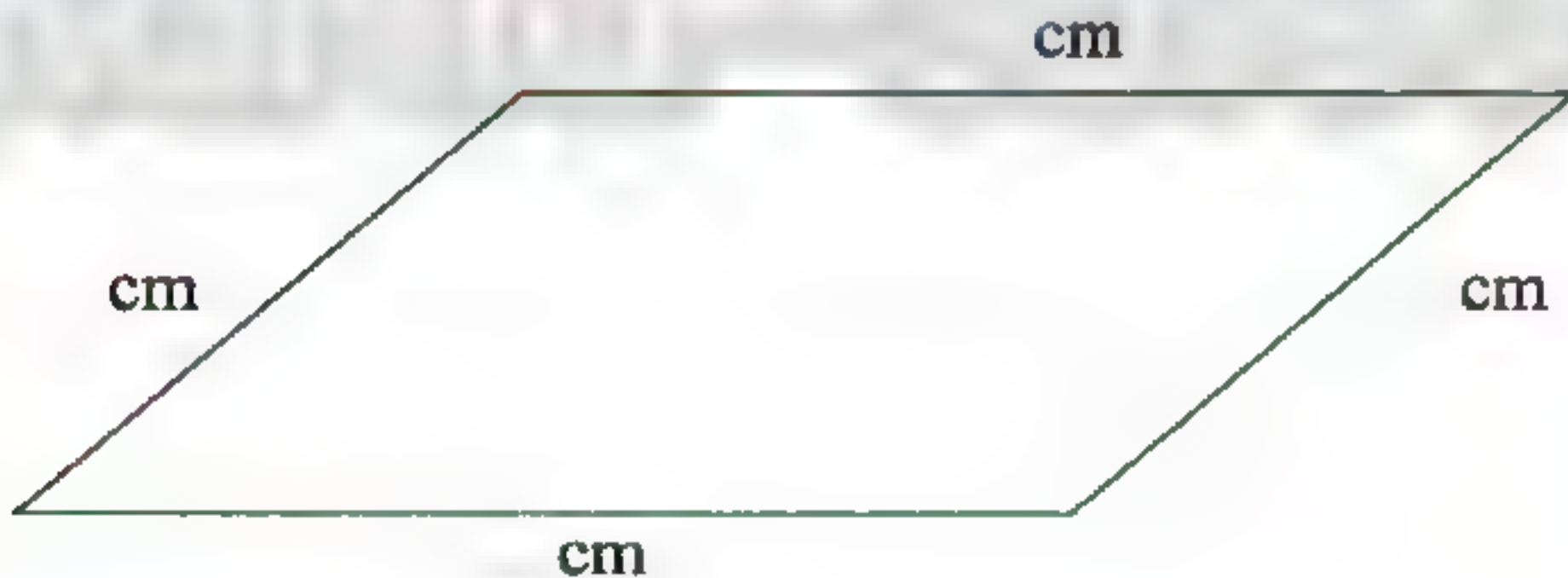
## Self - check on lesson ( 41 , 42 , 43 )

- 1 Find the length of each side then find the perimeter ( using ruler ) :



The perimeter = ..... + ... + + = cm

- 2 Find the length of each side then find the perimeter ( using ruler ) :



The perimeter = ... + + + = cm

Bakkar Series

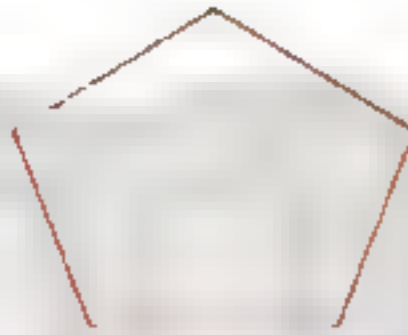
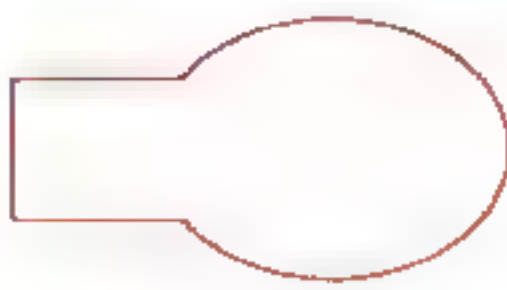




BAKKAR

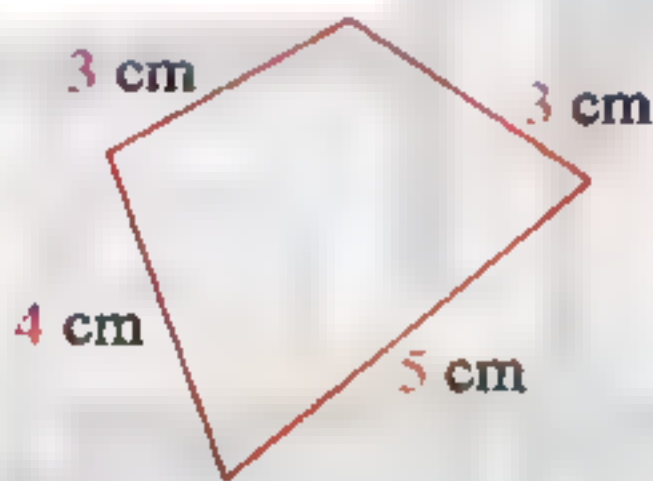
## Perimeter and Area

3 Circle the polygons :



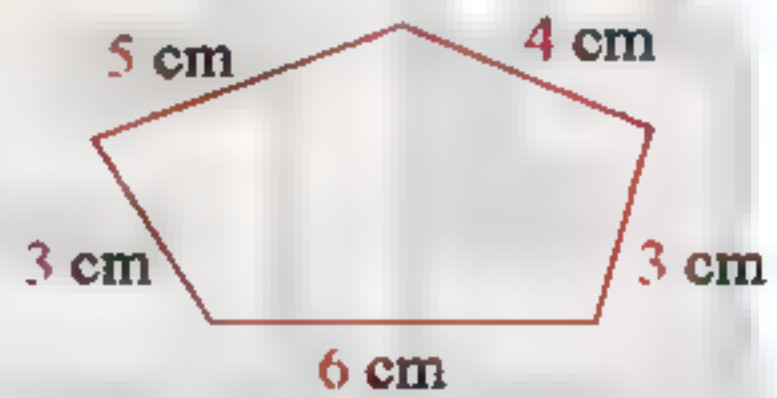
4 Find the perimeter for each polygon :

a



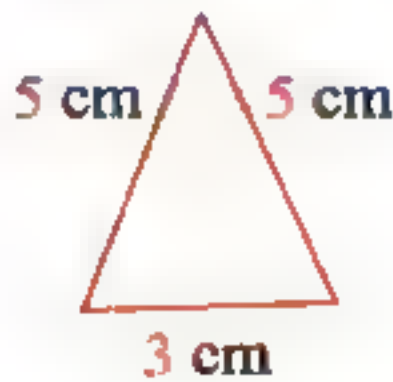
Perimeter = ..... cm

b



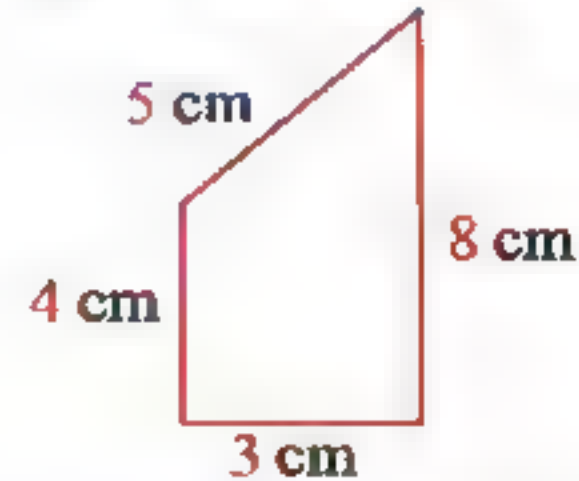
Perimeter = ..... cm

c



Perimeter = ..... cm

d



Perimeter = ..... cm

\*\* The ascending order of the perimeter :

, , , , ,

Primary 3 - Term 1



## Lesson

( 44 , 45 , 46 )

The difference between  
the perimeter and the area

Activity 1 from the figure find the length of the fence :

Width = 4 m

Length = 6 m



The length of the fence ( The perimeter ) =  $4 + 4 + 6 + 6 = 20$  m

Activity 2 Find the area and the perimeter of the following Hunger :

The perimeter : the length of the outer line

The perimeter ( The length of the fence )  
=  $3 + 3 + 4 + 4 = 14$  m

3 m

Area : number of units

Area ( number of units ) =  $3 \times 4$   
= 12 square meter



Deduction : The perimeter is linear measurement

But The area is not linear measurement

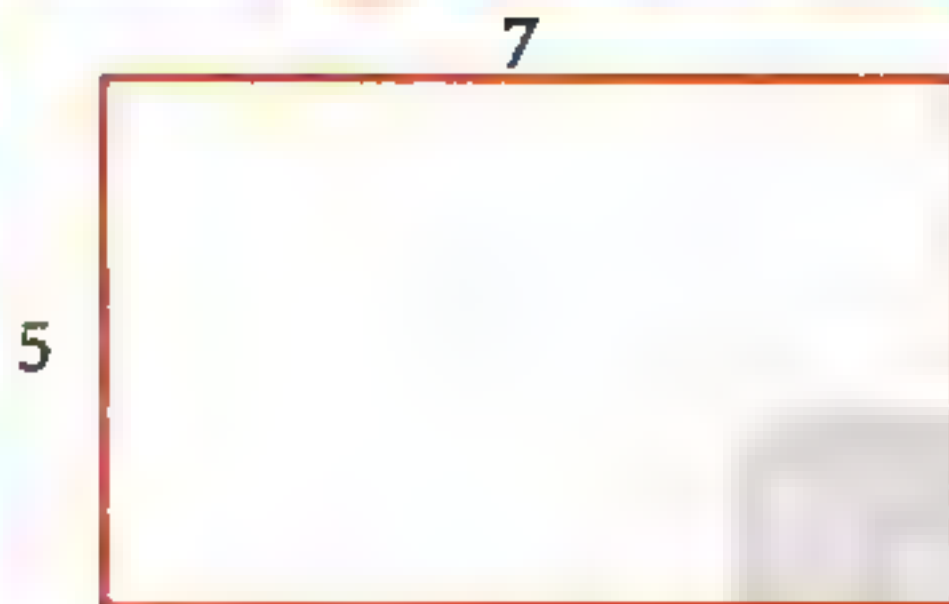
Bakkar Series





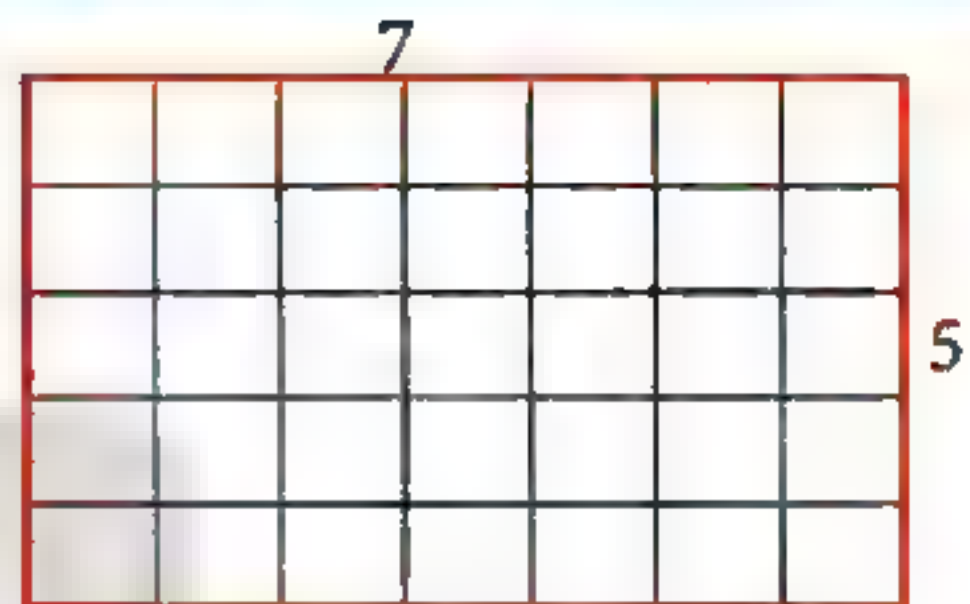
## Strategies for finding Area of rectangle

Activity 3 Find the area of the following rectangle :



Number of units strategy

$$\begin{aligned}\text{Area of rectangle} &= (\text{No. units}) \\ &= 35 \text{ square units}\end{aligned}$$



Array strategy

$$\begin{aligned}\text{Area of rectangle} &= \text{No. rows} \times \text{No. columns} \\ &= 5 \times 7 = 35 \text{ square units}\end{aligned}$$

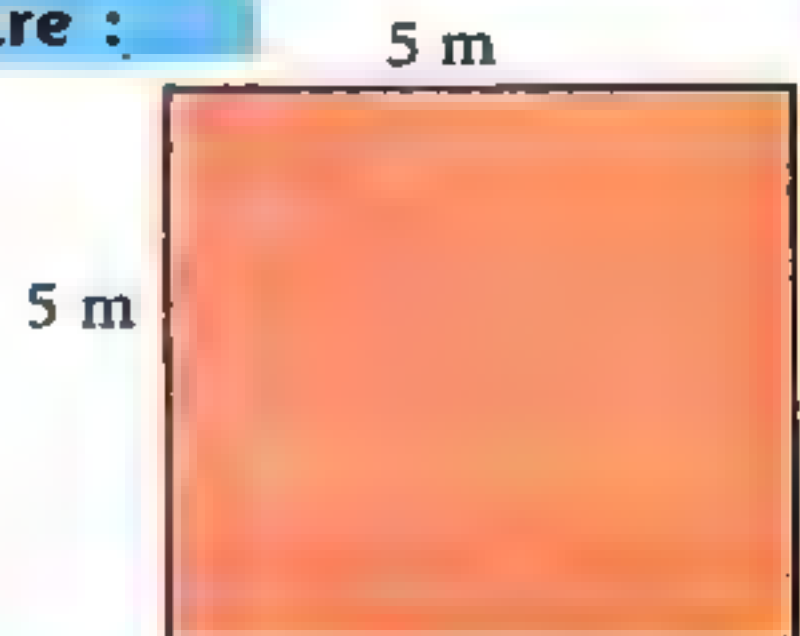
Rule strategy

$$\begin{aligned}\text{Area of rectangle} &= \text{length} \times \text{width} \\ &= 7 \times 5 = 35 \text{ square units}\end{aligned}$$

So Area of rectangle = Length  $\times$  Width

Activity 4 Find the area of the square :

$$\begin{aligned}\text{Area of square} &= \text{side length} \times \text{it self} \\ &= 5 \times 5 \\ &= \dots \text{ square meter}\end{aligned}$$

So Area of square = side length  $\times$  side length

Primary (3) - Term 1



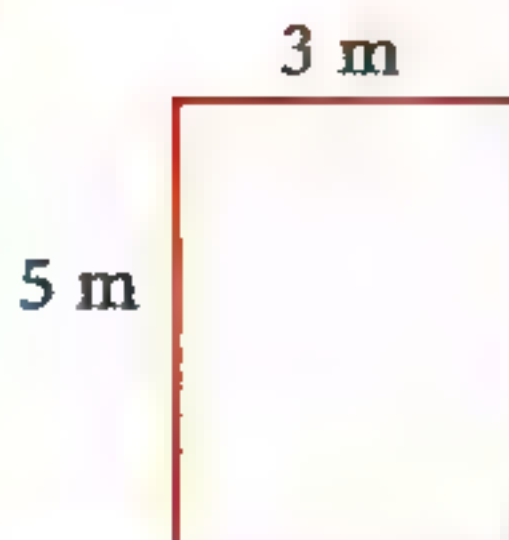
## Chapter 5

## Exercise

1

Find the perimeter and the area of the following :

a



The perimeter

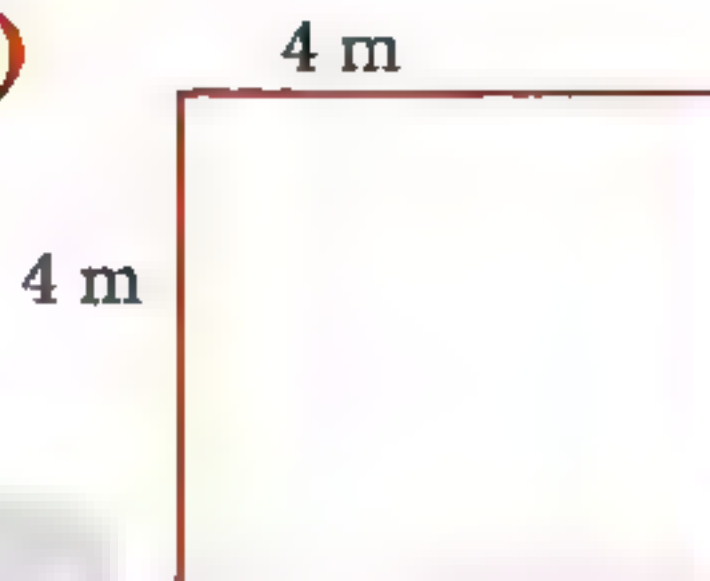
$$= \dots + \dots + \dots + \dots = \dots \text{ m}$$

Area of rectangle =  $L \times W$ 

$$= \dots \times \dots$$

$$= \dots \text{ square meter}$$

b



The perimeter

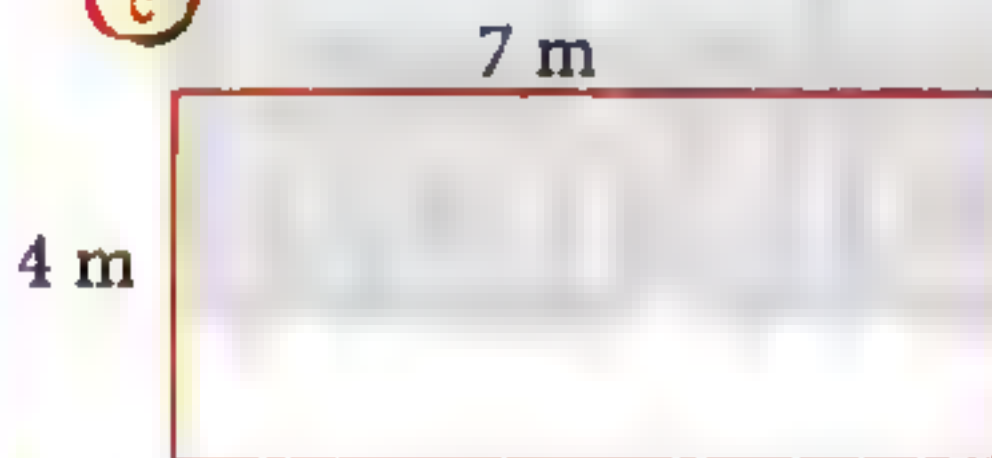
$$= \dots + \dots + \dots + \dots = \dots \text{ m}$$

Area of square

= side length  $\times$  it self

$$= \dots \times \dots = \dots \text{ square meter}$$

c



The perimeter

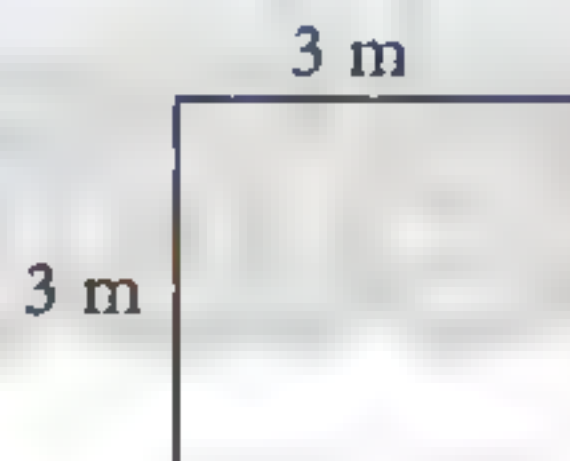
$$= \dots + \dots + \dots + \dots = \dots \text{ m}$$

Area of rectangle =  $L \times W$ 

$$= \dots \times \dots$$

$$= \dots \text{ square meter}$$

d



The perimeter

$$= \dots + \dots + \dots + \dots = \dots \text{ m}$$

Area of square

= side length  $\times$  it self

$$= \dots \times \dots = \dots \text{ square meter}$$

Bakkar Series





## Activities from Math Journal

**Activity 5** Find the perimeter and the area of the following :

The perimeter (The length of the fence)

$$= \dots + \dots + \dots + \dots$$

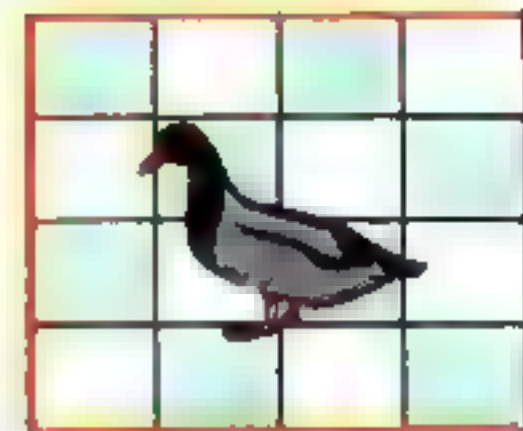
$$= \dots \text{ m}$$

The area (number of squares)

$$= \dots \times \dots$$

$$= \dots \text{ square meter}$$

4 m



4 m

**Activity 6** Find the perimeter and the area of the following :

The perimeter (The length of the fence)

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ m}$$

The area (number of squares)

$$= \dots \times \dots$$

$$= \dots \text{ square meter}$$

3 m



9 m

**Activity 7** Find the perimeter and the area of the following :

The perimeter (The length of the fence)

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ m}$$

The area (number of squares)

$$= \dots \times \dots$$

$$= \dots \text{ square meter}$$

3 m



5 m

Primary (3) - Term 1



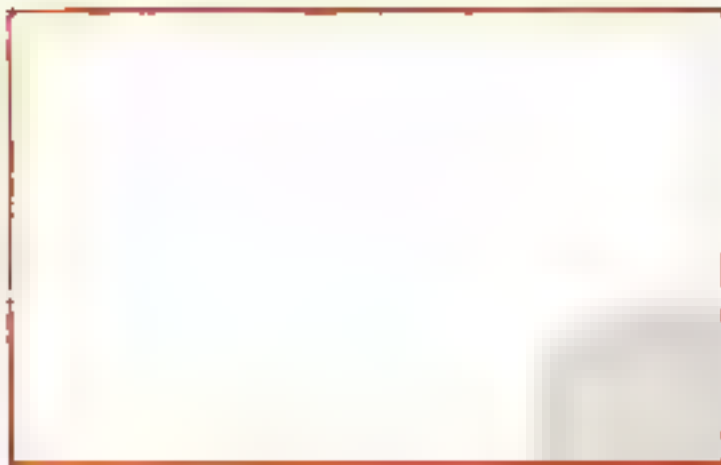
## Self - check on lesson ( 44 , 45 , 46 )

1 Find the perimeter and the area of the following :

a

6 m

5 m



The perimeter

$$= \dots + \dots + \dots + \dots = \dots \text{ m}$$

Area of rectangle =  $L \times W$ 

$$= \dots \times \dots$$

$$= \dots \text{ square meter}$$

b

5 m

5 m



The perimeter

$$= \dots + \dots + \dots + \dots = \dots \text{ m}$$

Area of square

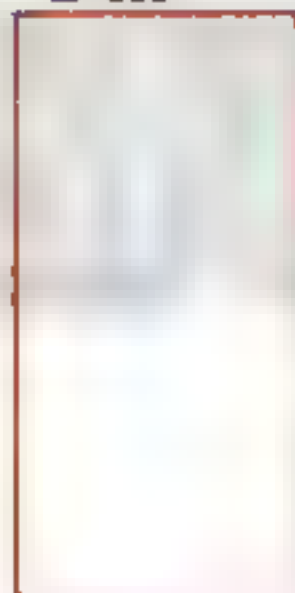
= side length  $\times$  it self

$$= \dots \times \dots = \dots \text{ square meter}$$

c

2 m

6 m



The perimeter

$$= \dots + \dots + \dots + \dots = \dots \text{ m}$$

Area of rectangle =  $L \times W$ 

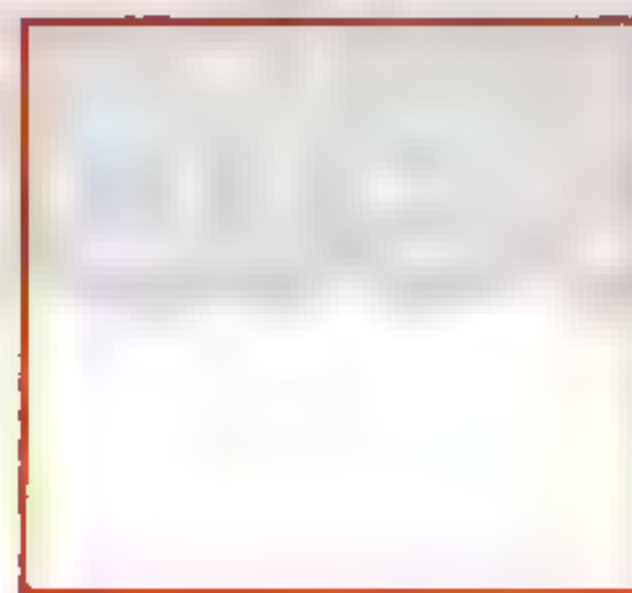
$$= \dots \times \dots$$

$$= \dots \text{ square meter}$$

d

7 m

7 m



The perimeter

$$= \dots + \dots + \dots + \dots = \dots \text{ m}$$

Area of square

= side length  $\times$  it self

$$= \dots \times \dots = \dots \text{ square meter}$$

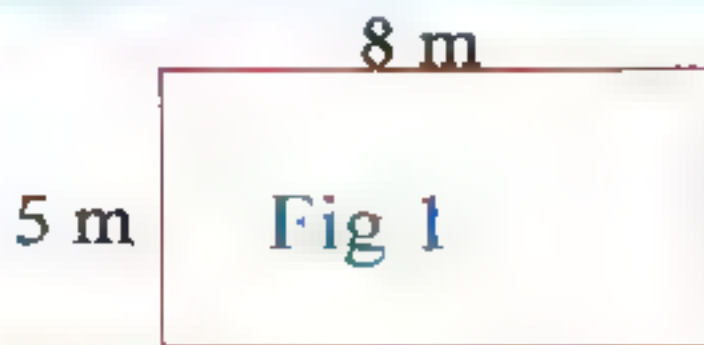
Bakkar Series



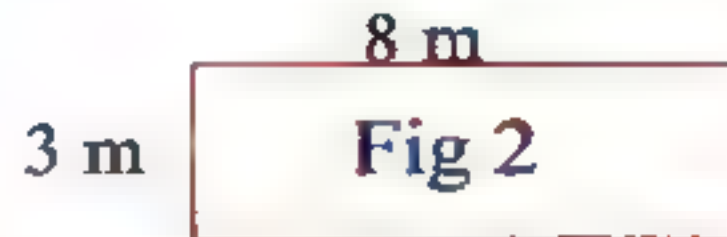
BAKKAR

## Perimeter and Area

2 Which is the greater in area ?



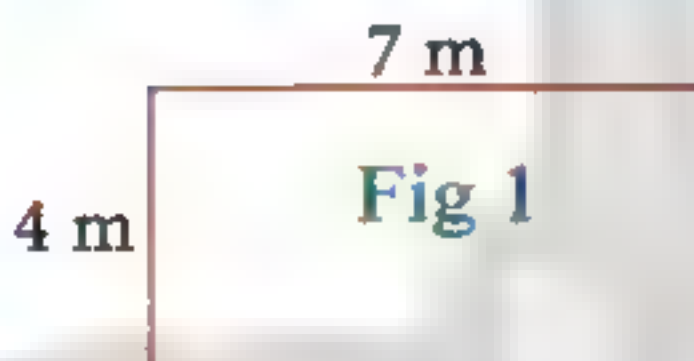
The area = ..... square meter



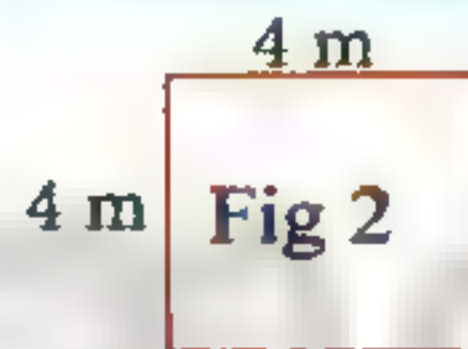
The area = ..... square meter

The greatest in area : .....

3 Find the difference between the area of the following :



The area = ..... square meter



The area = ..... square meter

The difference between the area = ..... - ..... = ..... square meter

4 Arrange the following figures according to its area ascendingly :

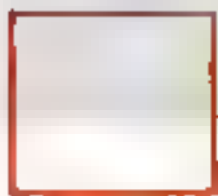


Fig 1

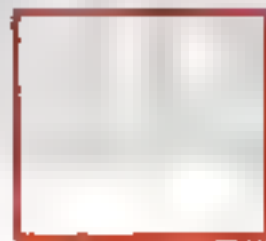


Fig 2

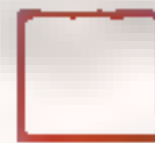


Fig 3

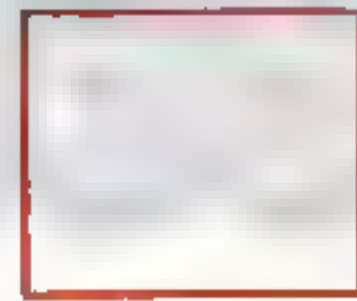


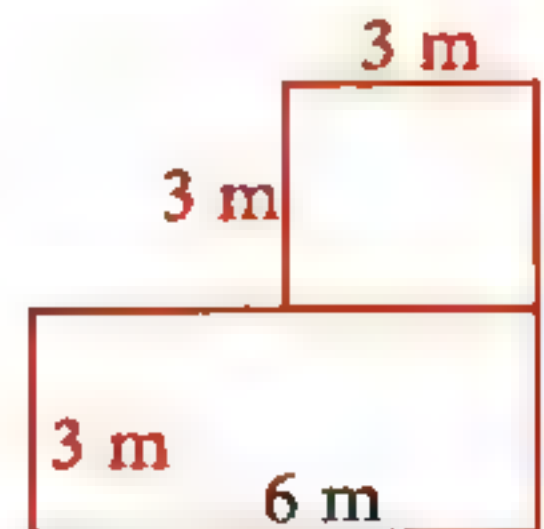
Fig 4

The order = ..... , ..... , .....

5 Find the area of the following :

Area of square = .....  $\times$  ..... = ..... square meterArea of rectangle = .....  $\times$  ..... = ..... square meter

Area of figure = ..... + ..... = ..... square meter



Primary 3 - Term 1



## Lesson

( 47 , 48 , 49 )

## Solving story problems

Activity 1 Complete :

Math Journal

a)  $27 \div 3 = \dots\dots\dots$

c)  $36 \div 9 = \dots\dots\dots$

e)  $21 \div 3 = \dots\dots\dots$

b)  $44 \div 11 = \dots\dots\dots$

d)  $48 \div 12 = \dots\dots\dots$

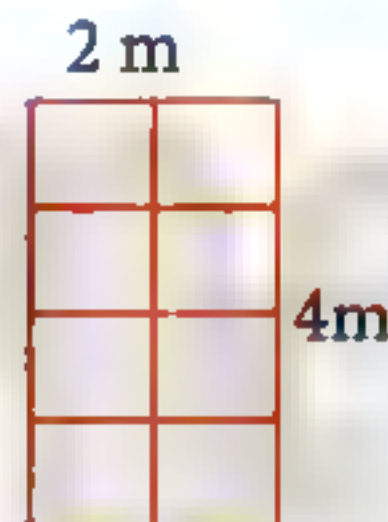
f)  $36 \div 6 = \dots\dots\dots$

Activity 2 Find the perimeter and the area of the following :



The perimeter =  $1 + 1 + 8 + 8 = 18$  m

The area =  $1 \times 8 = \dots\dots\dots$  square meter



The perimeter =  $4 + 4 + 2 + 2 = 12$  m

The area =  $4 \times 2 = 8$  square meter

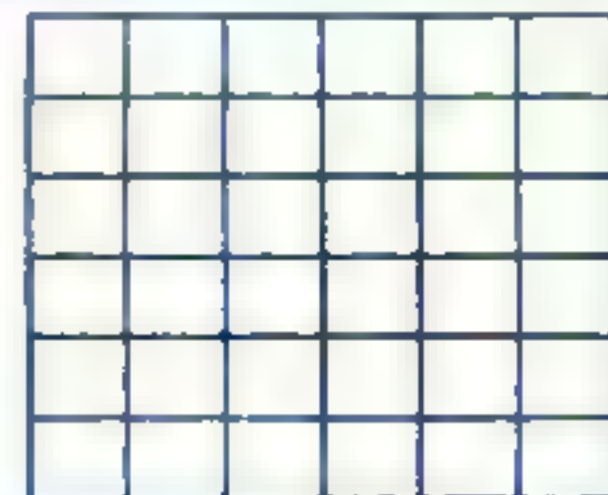
Notice the two rectangle have the same area but different perimeter

Exercise 1

Shade two rectangle with area 6 units and with different perimeter



$$\begin{aligned} \text{The perimeter} &= \dots + \dots + \dots + \dots \\ &= \dots\dots\dots \text{ m} \end{aligned}$$



$$\begin{aligned} \text{The perimeter} &= \dots + \dots + \dots + \dots \\ &= \dots\dots\dots \text{ m} \end{aligned}$$

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BAKKAR

## Perimeter and Area

Activity

3

Find the perimeter and the area of the following :



The perimeter = ... + ... + ... + ...  
= ..... m

The area = 4 ×  
= ..... square meter



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The perimeter = ... + ... + ... + ...  
= ... m

The area = 2 ×  
= ..... square meter

Notice The two rectangle have the same perimeter and different area

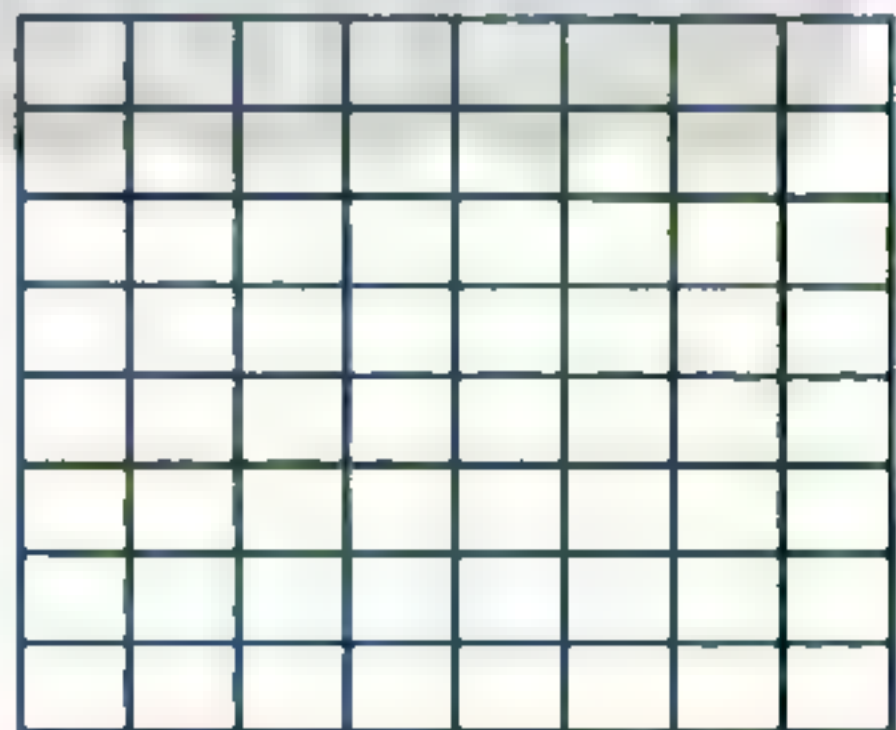
Exercise

2

Shade two rectangle with perimeter 14 m but have different area :



The area = ... ×  
= ..... square meter



The area = ... ×  
= ..... square meter

Primary 3 - Term 1

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## Chapter 5

## Activities from Math Journal

**Activity 4** Shaimaa is sewing a border on a square baby blanket. The length of the blanket is 45 centimetres and the width is 45 centimetres. How long will the border be?

**Notice :** The length equal the perimeter

$$\begin{aligned} \text{The perimeter} &= \dots + \dots + \dots + \dots \\ &= \dots \text{ m} \end{aligned}$$

45 m

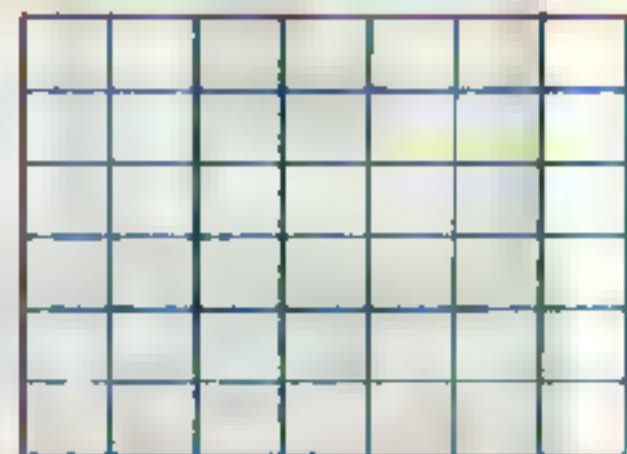


45 m

**Activity 5** Farouk is building a patio. He wants the length of the patio to be 7 tiles and its width to be 6 tiles. How many tiles will he use in all to build the patio?

**Notice :** The number of tiles = the area

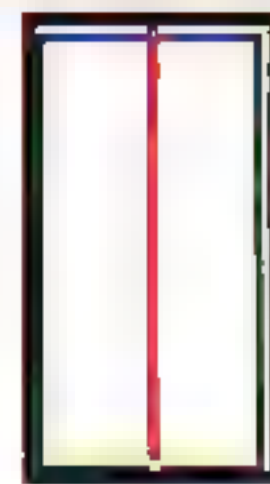
$$\begin{aligned} \text{The area} &= \dots \times \dots \\ &= \dots \text{ tiles} \end{aligned}$$



**Activity 6** Omnia wants to put a wooden trim around her window. The window is 4 meters tall and 1 meter wide. How long the wood does she need for the trim?

**Notice :** The length is the perimeter

$$\begin{aligned} \text{The perimeter} &= \dots + \dots + \dots + \dots \\ &= \dots \text{ m} \end{aligned}$$



4 m

1 m

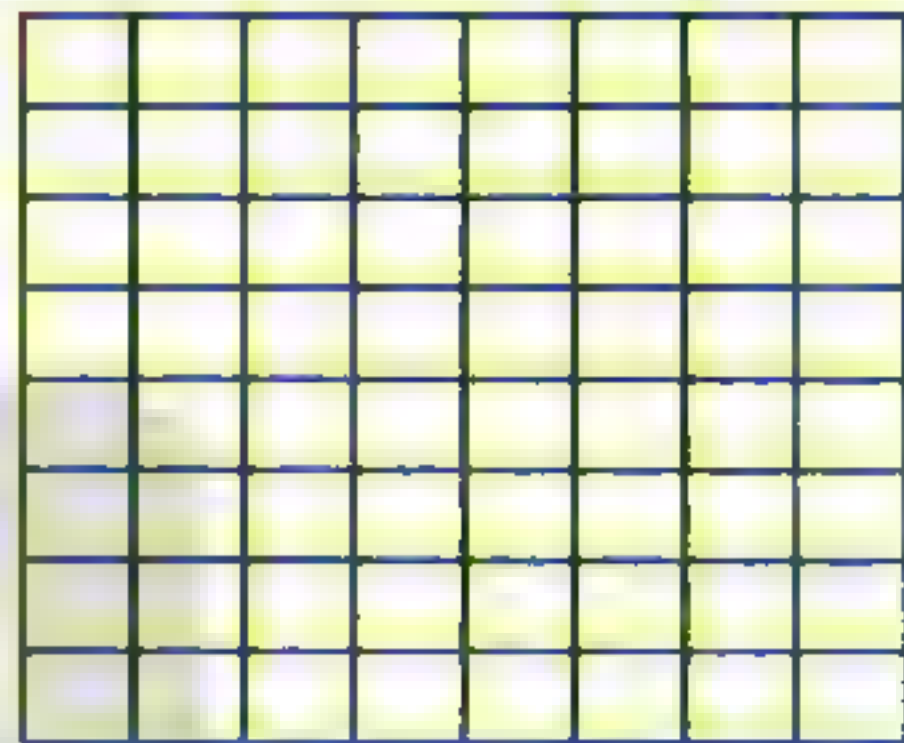
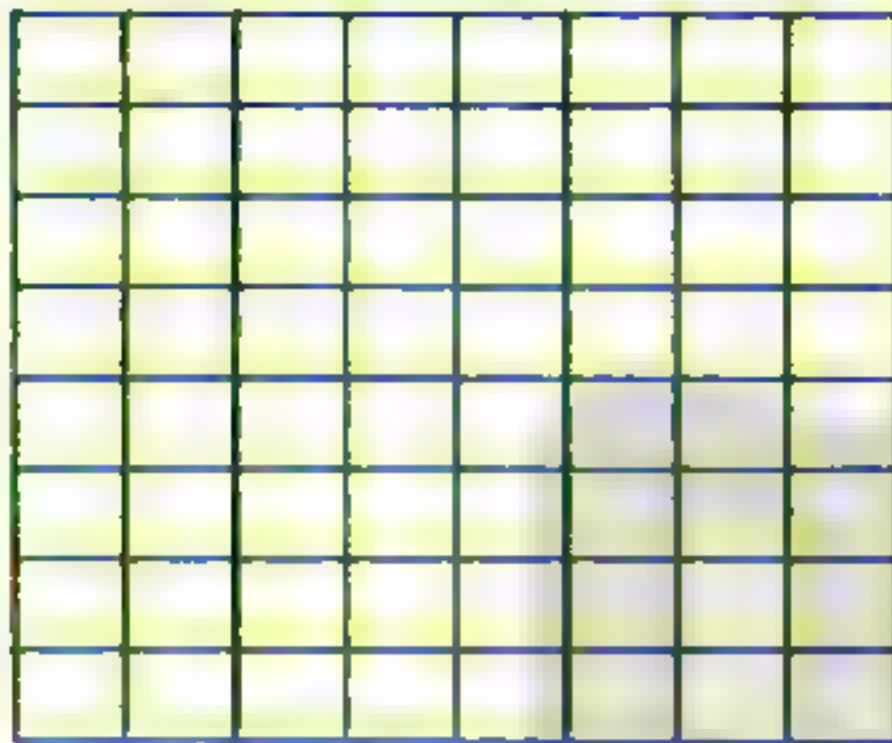
Bakkar Series



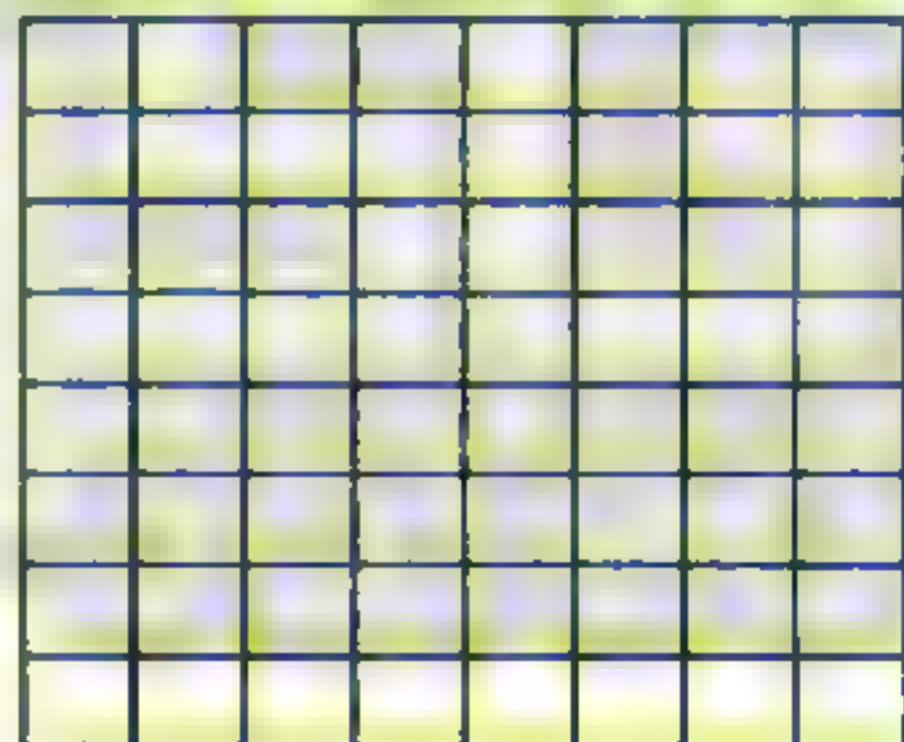
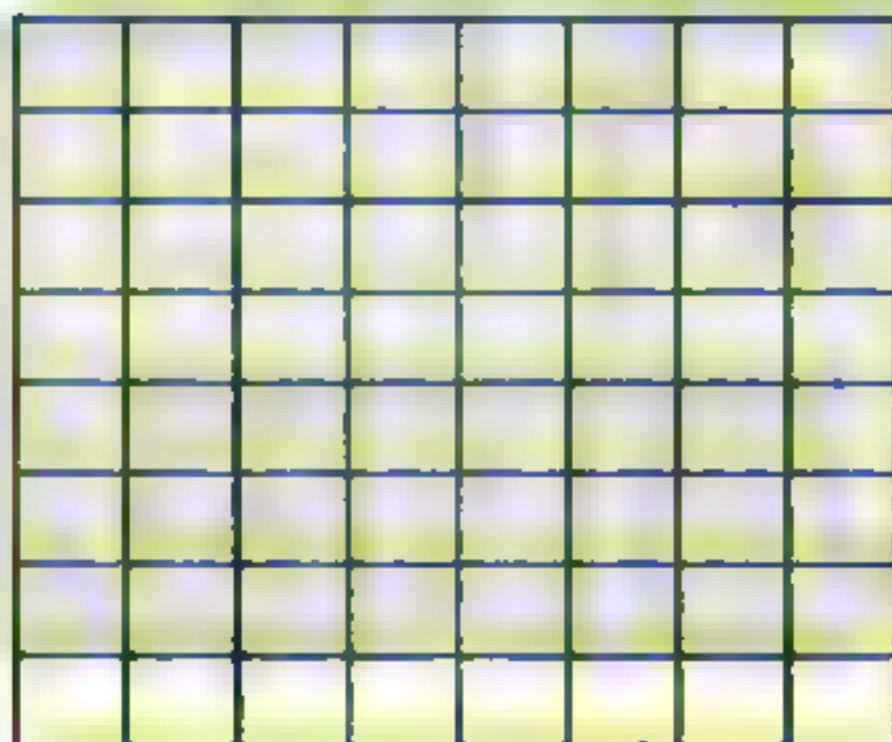


## Self - check on lesson ( 47 , 48 , 49 )

- 1 Shade two rectangles with area 24 units and with different perimeters :



- 2 Shade two rectangles with perimeters 8 units and with different area :



- 3 A farmer is building a fence around his garden. If the garden is 8 meters long and 3 meters wide .  
How long fencing does he need to buy ?

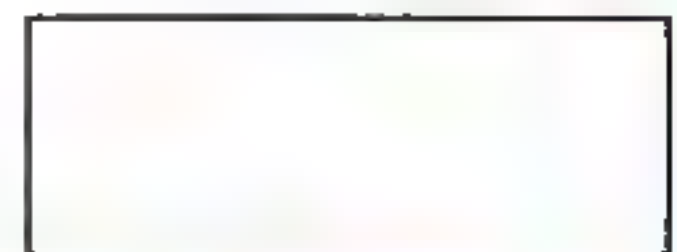
The fence length = The perimeter

- + + +

- ... m

3 m

8 m



Primary 3 - Term 1



## Chapter 5

## Activities from Math Journal

- 4 Aisha is building a fence around her garden. If the garden is 6 meters long and 5 meters wide, how long fencing does she need to buy ? and what is its area ?

The fence length = The perimeter

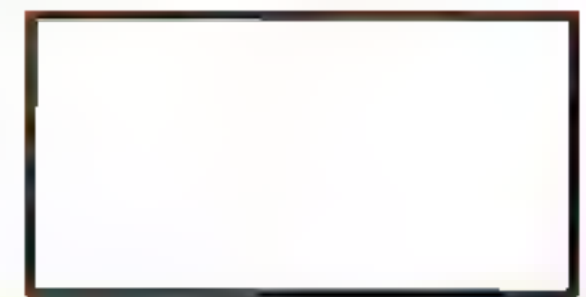
= + + +

= ... .. m

The area = ..... × ..... = ..... square meter

6 m

5 m



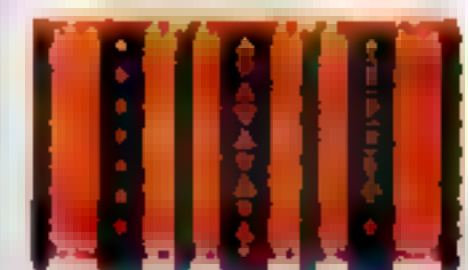
- 5 A rug is 3 meters long and 2 meters wide .  
What is the area of the rug ?

The area of the rug = .... ×

= square meter

2 m

3 m



- 6 Ahmad puts a carpet in the room. The length of the room is 6 meters and its width is 3 meters. How many square meters of carpet does Ahmed need to buy to cover the floor ?

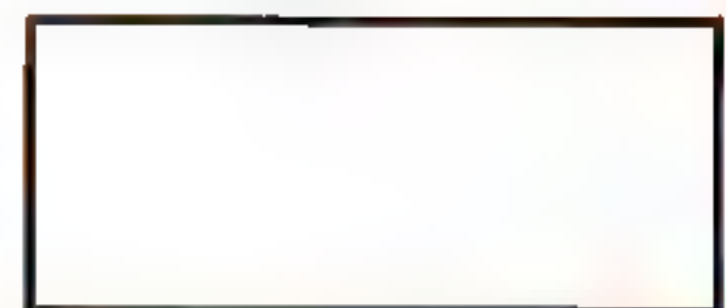
The area = ×

=

square meter

3 m

6 m



Bakkar Series





## Lesson

( 50 )

Multiplying a number by  
a multiple of 10

Activity 1 Colour the multiples of number 10 on the chart:

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Strategy 1

Activity 2 Notice skip-count by 10s :

Strategy 2



Activity 3 Notice the stick of 10 :

Strategy 3

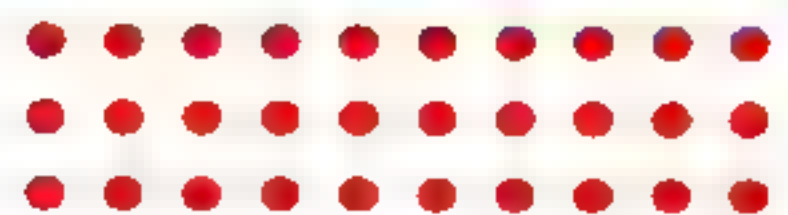
$$10 = 1 \times 10 \quad 20 = 2 \times 10 \quad 30 = 3 \times 10 \quad 40 = 4 \times 10$$

Activity 4 Notice the multiples of 10 by array :

Strategy 4

The number of rows .....

The number of columns .....

The total number = number of rows  $\times$  number of columns  $\times$  =  $3 \times 10 = 30$ 

That is, we write the number 3 and then put zero on the right of it

Primary (3) - Term 1

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## Chapter 5

Exercise

1

Complete multiplication facts of 10 :

Strategy 5

$\times 10$	0	1	2	3	4	5	6	7	8	9
	0			30					80	

Activity

5

Use one strategy to find  $3 \times 70$  :

The solution :

Stick of 10 strategy



Repeated addition strategy

$$3 \times 70 = 70 + 70 + 70 = 210$$

write 0 then the product of  $3 \times 7$ 

Multiples of 10 strategy

$$3 \times 70 = 3 \times 7 \times 10 = 21 \times 10 = 210$$

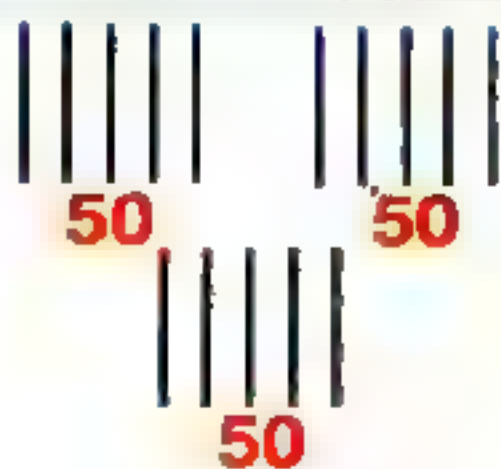
write 21 then put 0 at its right 21

Exercise

2

Draw sticks to show the product of the following as EX :

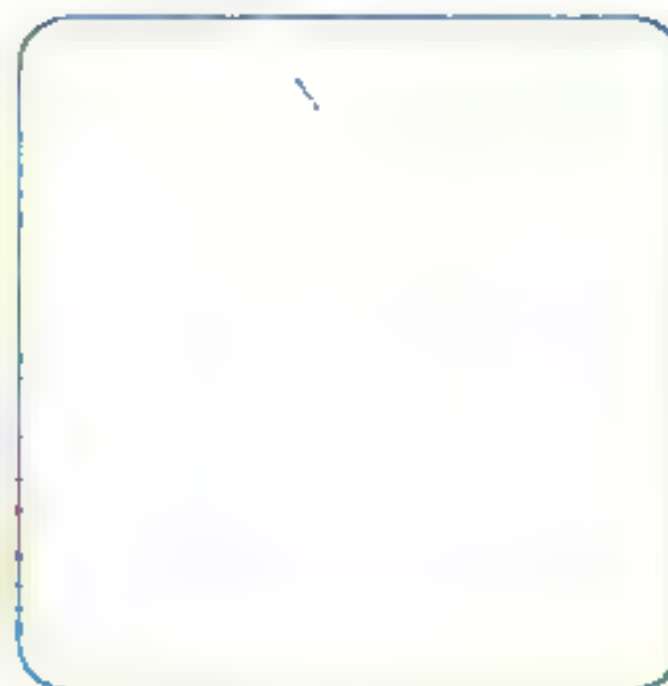
$$3 \times 50$$



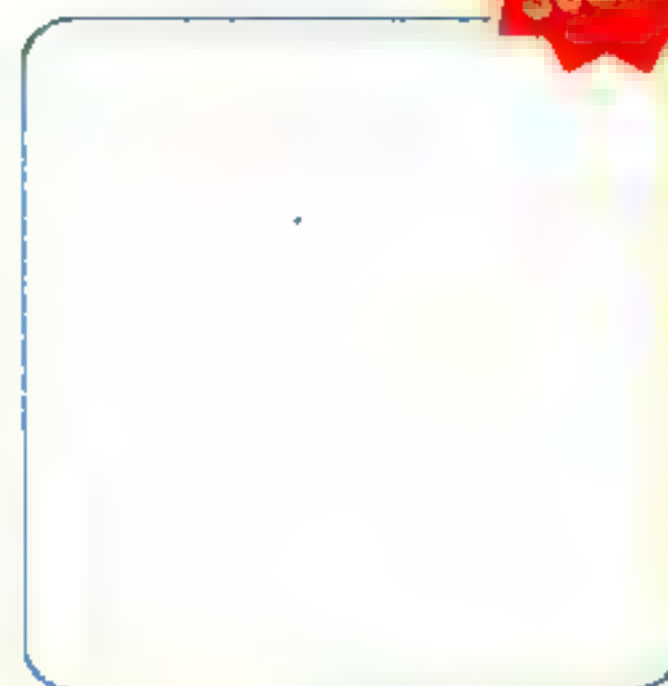
$$3 \times 50 =$$

$$50 + 50 + 50 = 150$$

$$4 \times 40$$



$$6 \times 30$$



Math Journal

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## Self - check on lesson ( 50 )

1 Complete as in (a) :

- (a)  $5 \times 10 = 10 \times 5 = 50$  (b)  $7 \times \quad - 10 \times \quad = 70$   
 (c)  $\quad \times 10 = 10 \times \quad = 0$  (d)  $2 \times \quad = 10 \times \quad =$   
 (e)  $1 \times \quad = 10 \times \quad = 10$  (f)  $10 \times 9 = 9 \times \quad =$   
 (g)  $4 \times 10 = 10 \times \quad =$  (h)  $3 \times \quad = 10 \times 3 =$

2 Complete as in (a) :

(a)  $6 \times 30 =$

The solution :  $6 \times 30 = 180$  (Put 0 the write the product of  $6 \times 3$ )

- (b)  $5 \times 70 =$  (c)  $40 \times 4 =$   
 (d)  $20 \times 8 =$  (e)  $90 \times 0 =$   
 (f)  $90 \times 1 =$  (g)  $9 \times 80 =$   
 (h)  $60 \times 8 =$  (i)  $10 \times 90 =$

3 Complete as in (a) :

- (a)  $80 \times 4 - 8 \times \quad =$  The solution :  $80 \times 4 = 8 \times 40 = 320$   
 (b)  $60 \times 3 = 6 \times \quad =$  (c)  $90 \times 6 = 9 \times \quad =$   
 (d)  $70 \times 5 - \quad \times 50 -$  (e)  $6 \times 40 = 60 \times 4 =$   
 (f)  $20 \times 8 = 2 \times \quad = \dots$  (g)  $7 \times 80 = \quad \times 8 -$   
 (h)  $90 \times 9 = \quad \times \quad =$  (i)  $60 \times 1 = 6 \times \quad =$



## 4 Chapter 5

4 Complete as in (a) :

(a)  $10 \times 132 =$

The solution :  $10 \times 132 = 1320$  ( write the number 132 and write 0 at its right )

(b)  $10 \times 152 =$

(c)  $237 \times 10 =$

(d)  $208 \times 10 =$

(e)  $444 \times 10 =$

(f)  $175 \times 10 =$

(g)  $724 \times 10 =$

(h)  $750 \times 10 =$

(i)  $395 \times 10 =$

5 Complete as in (a) :

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(a)  $34 \times 100 = 3400$

The solution :  $34 \times 100 = 3400$  ( write the number 34 and write 00 at its right )

(b)  $79 \times 100 =$

(c)  $100 \times 15 =$

(d)  $25 \times 100 =$

(e)  $150 \times 100 =$

(f)  $54 \times = 5400$

(g)  $\times 100 = 700$

(h)  $100 \times = 16000$

(i)  $240 \times = 24000$

(j)  $28 \times = 2800$

(k)  $256 \times 100 =$

(l)  $1123 \times 100 =$

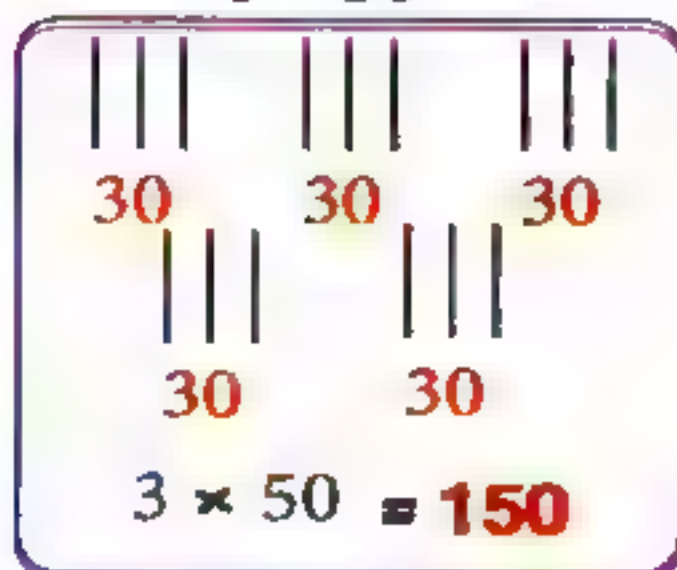
(m)  $400 \times 100 =$

6 Use stick of 10 find the following the first done for you:

$5 \times 30$

$2 \times 70$

$3 \times 60$



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## Self - check 1 Chapters 5

1 Complete as in (a) :

(a)  $7 \times 10 = 10 \times 7 = 70$

(b)  $6 \times \quad = 10 \times \quad = 60$

(c)  $\quad \times 10 = 10 \times \quad = 30$

(d)  $4 \times \quad = 10 \times \quad =$

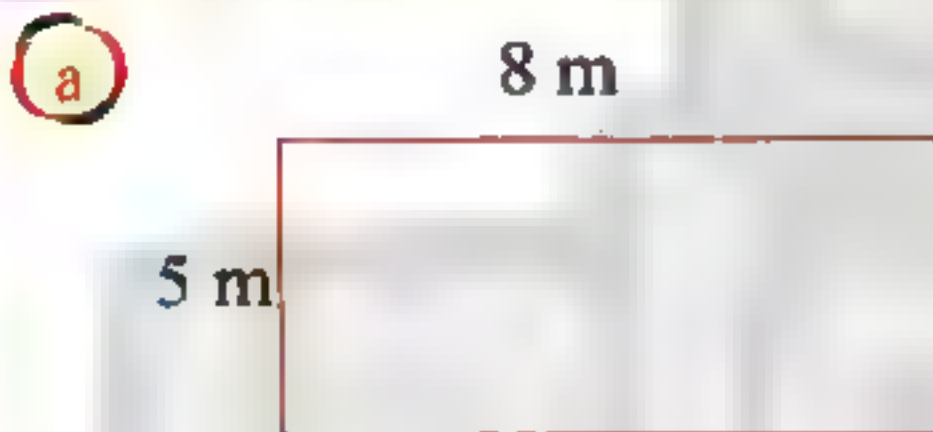
(e)  $5 \times \quad = 10 \times \quad =$

(f)  $10 \times 1 = 1 \times \quad =$

(g)  $9 \times 10 = 10 \times \quad =$

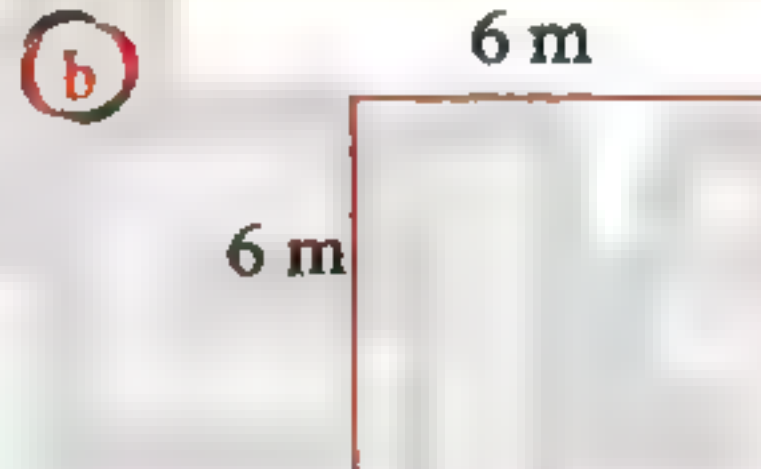
(h)  $2 \times \quad = 10 \times 2 =$

2 Find the perimeter and the area of the following :



The perimeter =  $\dots + \dots + \dots + \dots$   
 $= \dots \text{ m}$

The area =  $\dots \times \dots$   
 $= \dots \text{ square meter}$



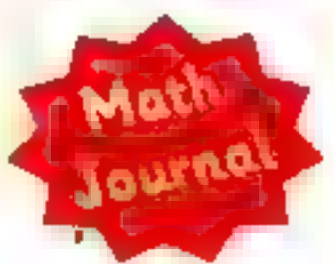
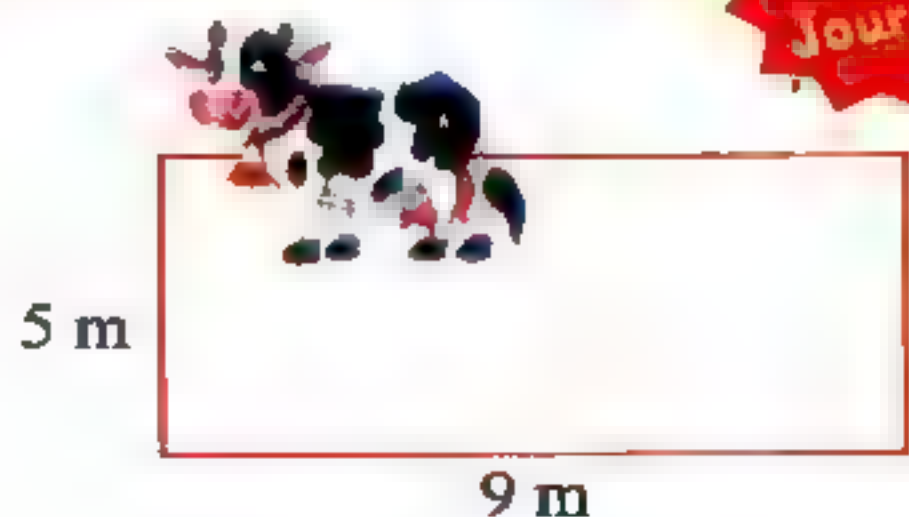
The perimeter =  $\dots + \dots + \dots + \dots$   
 $= \dots \text{ m}$

The area =  $\dots \times \dots$   
 $= \dots \text{ square meter}$

3 Find the perimeter and the area of the following :

The perimeter =  $\dots + \dots + \dots$   
 $= \dots \text{ m}$

The area =  $\dots \times \dots$   
 $= \dots \text{ square meter}$



Primary 3 - Term 1




## Self - check 2 Chapters 1,2,3,4,5

1 Complete as in (a) :

(a)  $(5 + 2) \times 10 = \dots\dots\dots$  (7 , 70 , 700 )

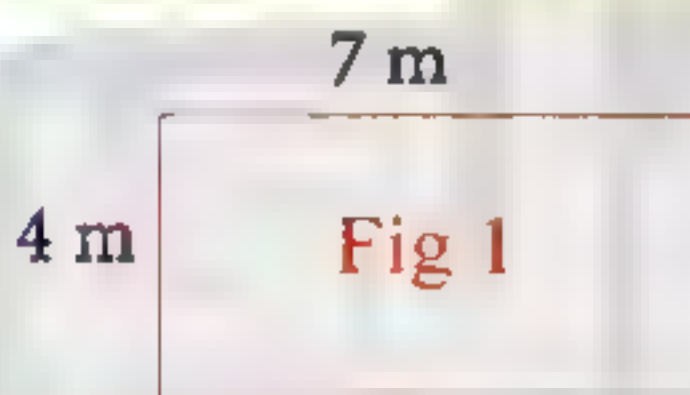
(b)  $3 \text{ m} = \dots\dots \text{ cm}$  ( 30 , 300 , 3000 )

(c) The time  is  $\dots\dots$  (9 : 05 , 9 : 50 , 1 : 45 )

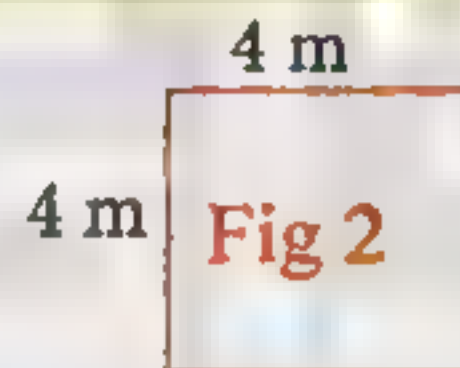
(d) The value of ( 2 ) in 72 569 is  $\dots\dots$  ( 2 , 20 , 2000 )

(e)  $49 \div 7 = \dots\dots$  ( 7 , 9 , 42 )

2 Find the difference between the area of the following :



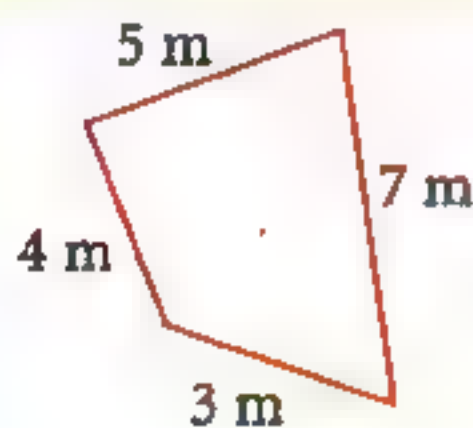
The area =  $\dots\dots$  square meter



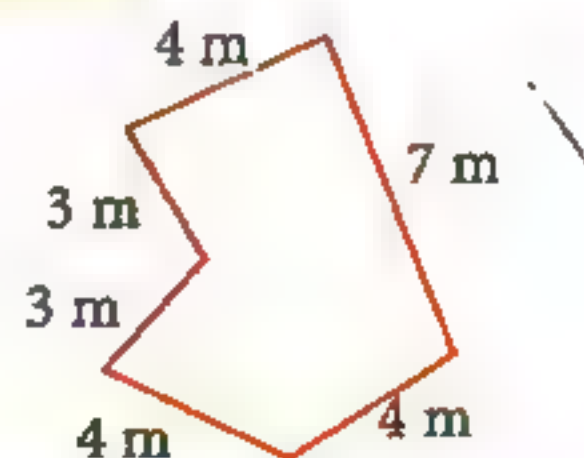
The area =  $\dots\dots$  square meter

The difference between the area =  $\dots - \dots = \dots\dots$  square meter

3 Find the perimeter of the following :



The perimeter =  $\dots\dots$  m



The perimeter =  $\dots\dots$  m

For more exercises follow the Bakkar Self- check page (210)

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## Strategies and applications

### Key Vocabulary

Factorization	التحليل	Difference	ناتج الطرح
Automatic addition facts	حقائق الجمع التلقائية	Realization	إدراك
Bows	أقواس	Regroup	إعادة التجميع
Capacity	السعة	Reversed operation	عمليات عكسية
Comparison	مقارنة	Subtrahend	المطروح منه
Data	البيانات	Addition	الجمع
Hundreds	خانة المئات	Tables	الجداول
Liter	لتر	Ten thousands place	خانة عشرات الآلاف
Mathematical Facts	الحقائق الرياضية	Tens place	خانة العشرات
Multiplication facts	حقائق الضرب	Hundred thousands	خانة مئات الآلاف
Number	رقم	Ones place	خانة الأحاد
The sum	ناتج الجمع	The value	القيمة
		Thousand place	خانة الآلاف

### Content



Exercise  
inspired by  
Discover Book



## Lesson

( 51 , 52 , 53 )

## Multiplying by 9 strategies

Activity 1 Complete the following as EX :

EX  $10 = 1 \times 10$

$20 = \quad \times$

$30 = \quad \times 10$

$40 = 4 \times$

$50 = \quad \times 10$

$60 = 6 \times$

$70 = \quad \times 10$

$80 = \quad \times$

$90 = \quad \times$

Activity 2 Complete the following as in (a) :

(a)  $2 \times 3 = 6$

(b)  $5 \times 3 =$

(c)  $6 \times 6 =$

$2 \times 30 = 60$

$5 \times 30 =$

$6 \times 60 =$

$2 \times 300 = 600$

$5 \times 300 =$

$6 \times 600 =$

$2 \times 3000 = 6000$

$5 \times 3000 =$

$6 \times 6000 =$

Activity 3 Complete the multiplying by the multiples of 10 as in (a) :

(a)  $3 \times 40 = 3 \times 4 \times 10 = (3 \times 4) \times 10 = 12 \times 10 = 120$

(b)  $8 \times 50 = 8 \times \quad \times 10 = (8 \times \quad) \times \quad = \quad \times 10 =$

(c)  $6 \times 20 = 6 \times 2 \times \quad = (6 \times \quad) \times 10 = \quad \times 10 =$

(d)  $7 \times 30 = 7 \times \quad \times 10 = (7 \times \quad) \times \quad = \quad \times 10 =$

(e)  $5 \times 40 = 5 \times 4 \times \quad = (5 \times \quad) \times 10 = \quad \times 10 =$

(f)  $9 \times 60 = 9 \times 6 \times \quad = (9 \times \quad) \times 10 = \quad \times 10 =$

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## Multiplying by 9 strategies

## First : Finger trick strategy

This method is valid only with the number 9



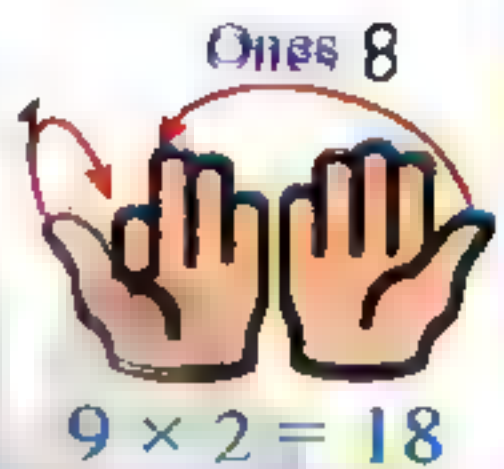
-The first factor is 9

-The order of the flexor finger is the second factor

## The product :

-The fingers at the left of the flexor finger is the tens .

-The fingers at the right of the flexor finger is the ones .



The shape	First factor	Second factor	The result
	9	1	$9 \times 1 = 9$
	9	2	$9 \times 2 = 18$
	9	3	$9 \times 3 = 27$
	9	4	$9 \times 4 = 36$
	9	5	$9 \times 5 = 45$

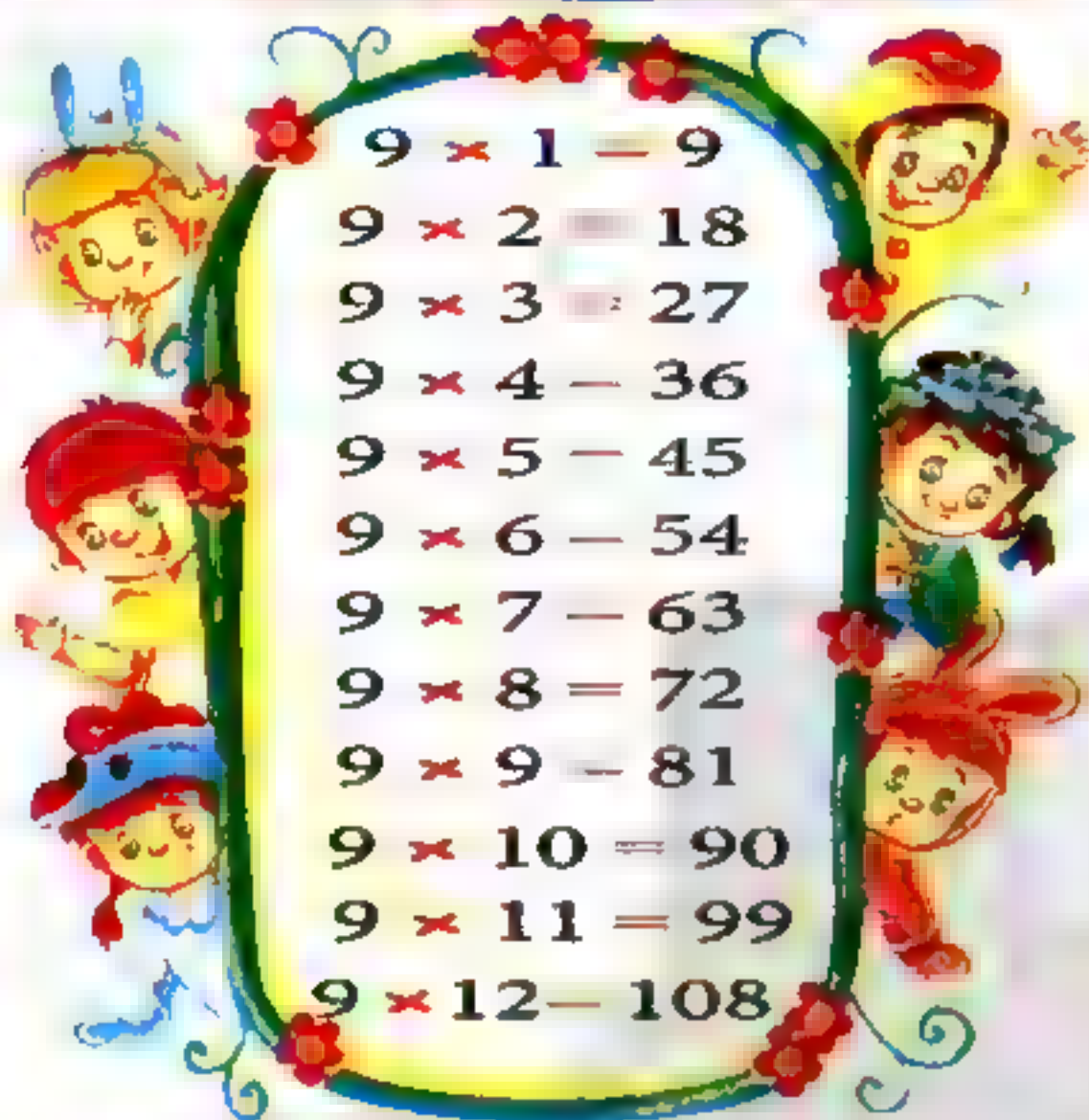
The shape	First factor	Second factor	The result
	9	6	$9 \times 6 = 54$
	9	7	$9 \times 7 = 63$
	9	8	$9 \times 8 = 72$
	9	9	$9 \times 9 = 81$
	9	10	$9 \times 10 = 90$

Primary 3 - Term 1



## Chapter 6

Second: Using multiplication facts by 9



Third: using number chart

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Fourth: using multiplication facts by 10

9	×	1	=	( 10 × 1 )	-	1	=	9
9	×	2	=	( 10 × 2 )	-	2	=	18
9	×	3	=	( 10 × 3 )	-	3	=	27
9	×	4	=	( 10 × 4 )	-	4	=	
9	×	5	=	( 10 × 5 )	-	5	=	
9	×	6	=	( 10 × 6 )	-		=	
9	×	7	=	( 10 × )	-		=	
9	×	8	=	( 10 × )	-		=	
9	×	9	=	( 10 × )	-		=	

$$9 \times \square = (10 \times \square) - \square$$

$$9 \times 0 = (10 \times 0) - 0 = 0$$

$$9 \times 10 = (10 \times 10) - 10 = 90$$

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BAKKAR

Strategies and applications

1

Complete :

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

## Activities from Math Journal

Activity

4

Complete the multiplying  $\times$  multiples of 10 as (a) :

$$(a) \quad 8 \times 40 = 8 \times 4 \times 10 = (8 \times 4) \times 10 = 32 \times 10 = 320$$

$$(b) \quad 3 \times 90 = 3 \times \quad \times 10 = (3 \times \quad) \times \quad = \quad \times 10 =$$

$$(c) \quad 4 \times 80 = 4 \times 8 \times \quad = (4 \times \quad) \times 10 = \quad \times 10 =$$

$$(d) \quad 9 \times 20 = 9 \times \quad \times 10 = (9 \times \quad) \times \quad = \quad \times 10 =$$

$$(e) \quad 6 \times 30 = 6 \times 3 \times \quad = (6 \times \quad) \times 10 = \quad \times 10 =$$

$$(f) \quad 8 \times 50 = 8 \times 5 \times \quad = (8 \times \quad) \times 10 = \quad \times 10 =$$

$$(g) \quad 7 \times 30 = 7 \times 3 \times \quad = (7 \times \quad) \times 10 = \quad \times 10 =$$

$$(h) \quad 6 \times 70 = 6 \times 7 \times \quad = (6 \times \quad) \times 10 = \quad \times 10 =$$

$$(i) \quad 5 \times 40 = 5 \times 4 \times \quad = (5 \times \quad) \times 10 = \quad \times 10 =$$

Primary 3 - Term 1



## Self - check on lesson ( 51 , 52 , 53 )

1 Complete the following using the strategies of multiplication :

## First set

- a  $7 \times 2 =$
- b  $6 \times 0 =$
- c  $3 + 9 =$
- d  $1 \times 7 =$
- e  $1 + 9 =$
- f  $2 \times 4 =$
- g  $9 \times 6 =$
- h  $8 + 9 =$
- i  $10 \times 8 =$
- j  $2 + 9 =$
- k  $4 \times 8 =$
- l  $1 \times 1 =$
- m  $3 \times 3 =$
- n  $6 \times 1 =$
- o  $10 \times 0 =$

## Second set

- a  $3 \times 9 =$
- b  $4 \times 3 =$
- c  $6 + 5 =$
- d  $9 + 9 =$
- e  $4 \times 2 =$
- f  $6 + 6 =$
- g  $3 + 3 =$
- h  $2 \times 10 =$
- i  $9 + 10 =$
- j  $6 + 1 =$
- k  $5 \times 10 =$
- l  $9 \times 6 =$
- m  $5 \times 7 =$
- n  $0 \times 10 =$
- o  $9 \times 10 =$

## Third set

- a  $10 + 1 =$
- b  $2 \times 3 =$
- c  $0 + 10 =$
- d  $8 \times 0 =$
- e  $6 + 5 =$
- f  $3 + 10 =$
- g  $2 \times 6 =$
- h  $7 + 3 =$
- i  $0 + 4 =$
- j  $8 \times 8 =$
- k  $5 + 5 =$
- l  $9 \times 0 =$
- m  $6 + 2 =$
- n  $1 \times 2 =$
- o  $4 + 4 =$



Bakkar Series



هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى



2 Answer the following :

- (a) Gerges saves 9 pounds every month .  
What does he save in 8 months ?

The solution : What Gerges save = .... × ....  
= ..... pounds

- (b) It is known that each horse has 4 legs.  
How many legs are there in 9 horses?

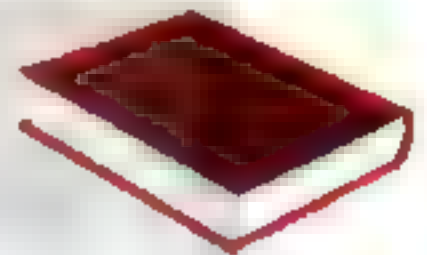
The solution : Number of legs = .... × ....  
= ..... legs .



- (c) With Mona 35 pounds, she bought 3 books for 9 pounds each.  
How much is left with Mona ?

The solution : The price of books = .... × .... = LE ....

The left money = 35 - ..... = LE ....



3 Join the equal cards :

$60 + 3$

$9 \times 9$

$65 - 2$

$40 + 5$

$9 \times 8$

$82 - 1$

$80 + 1$

$9 \times 5$

$72$

$9 \times 9 - 9$

$9 \times 7$

$50 - 5$

Primary 3 - Term 1



## Lesson

( 54 , 55 )

## Strategies for solving story Problems

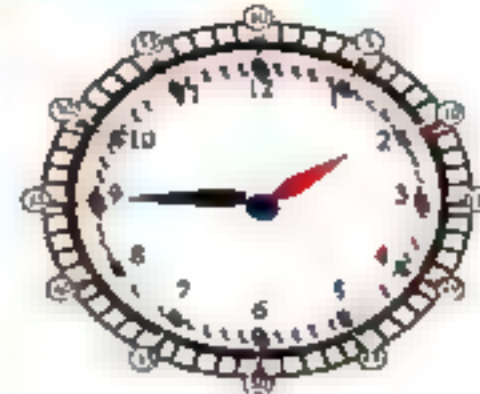
Activity 1 Write the time according to the hands :



5 : 50



:



:



:



:



:

**Exercise 1** Jamila asked her teacher : Is the number 999 greater than the number 1000 ?

The teacher asked : Are the number of digits the two numbers equal ?

Jamila replied : The number of digits of the number 1000 is more

So the number 1000 is greater than the number 999

**Exercise 2** The teacher asked : Is the number 1312 greater than the number 23406 ?

The number of digits of the number 1312 is .....

The number of digits of the number 23406 is .....

So the number ..... is greater than the number .....

**Exercise 3** Which number is greater : 451234 or 66076?

The number of digits of the number 451234 is .....

The number of digits of the number 66076 is .....

So the number ..... is greater than the number .....

Bakkar Series





## BAKKAR

## Strategies and applications

Exercise

4

The number that has 5 thousands , 7 hundreds , 6 tens , 4 ones . what is this number ?

The number : ..... + ..... + ..... + ..... = .....

Exercise

5

The number that has 12 hundreds , 15 tens , 6 ones . What is this number ?

The number : ..... + ..... + ..... = .....

Exercise

6

Write in the standard form : 50 000 + 6 000 + 300 + 40 + 2

The number : .....

Exercise

7

Write in the expanded form 3509

The expanded form : ..... + ..... + ..... + ..... = .....

Exercise

8

Arrange the following numbers in an ascending order :  
5021 , 5201 , 5102 , 5210

The order : ..... , ..... , ..... , .....

## First strategy

## The expanded form :

Exercise

9

Add as Ex :

- (a)  $234 + 352 = (200 + 30 + 4) + (300 + 50 + 2) = 586$
- (b)  $101 + 184 = (..... + ..... + ..... ) + (..... + ..... + ..... ) = .....$
- (c)  $483 + 201 = (..... + ..... + ..... ) + (..... + ..... + ..... ) = .....$
- (d)  $823 + 262 = (..... + ..... + ..... ) + (..... + ..... + ..... ) = .....$
- (e)  $657 + 233 = (..... + ..... + ..... ) + (..... + ..... + ..... ) = .....$

Primary 3 - Term 1



## Chapter 6

## Second strategy

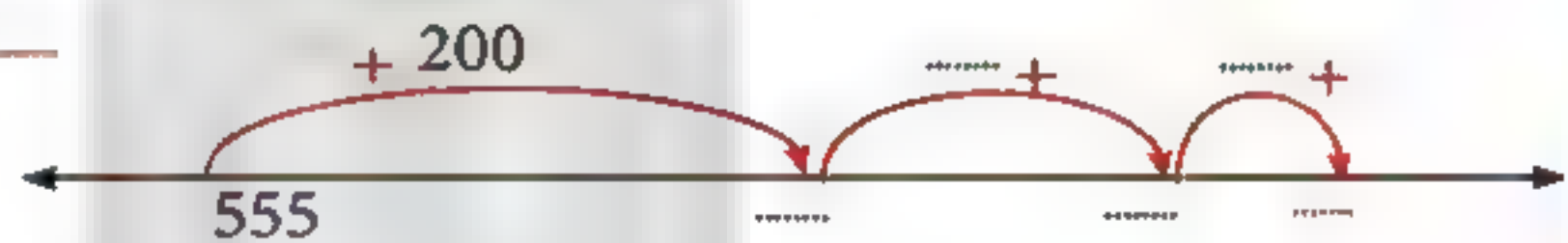
## Number line :

**Exercise 10** Add using the numbers line as in (a) :

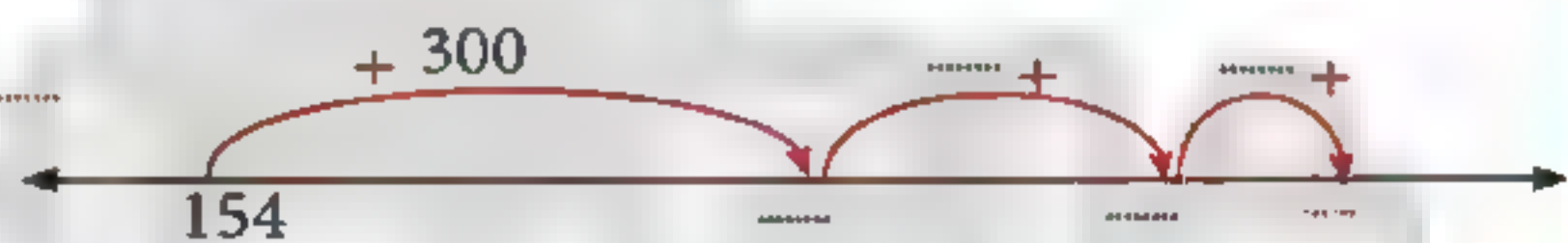
(a)  $265 + 331 = 596$



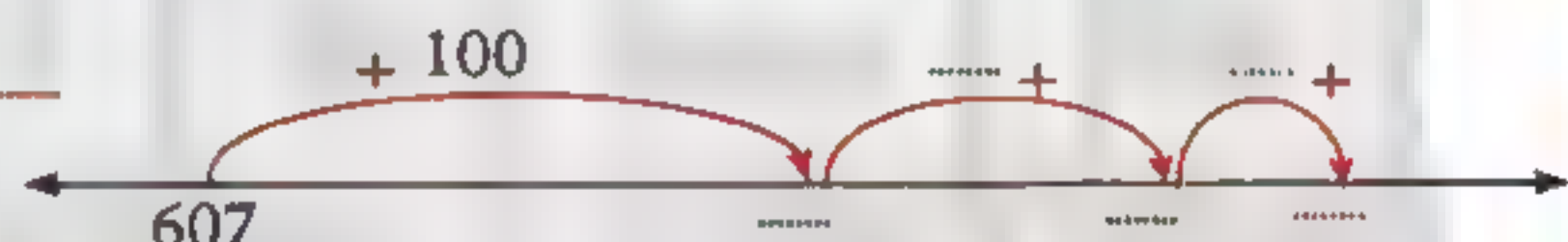
(b)  $555 + 222 = \underline{\hspace{2cm}}$



(c)  $154 + 324 = \underline{\hspace{2cm}}$



(d)  $607 + 122 = \underline{\hspace{2cm}}$



## Third strategy

## Place value cards :

**Exercise 11** Add using the place value cards as EX :

$444 + 235 =$

Hundreds	Tens	Ones
4	4	4
2	3	5
6	7	9

$726 + 122 =$

Hundreds	Tens	Ones
7	2	6
1	2	2

$381 + 427 =$

Hundreds	Tens	Ones
3	8	1
4	2	7

**Bakkar Series**





## Self - check on lesson ( 54 , 55 )

1 Write in the standard form :

- (a) Two hundred thousand, four hundred and seventy : \_\_\_\_\_
- (b) One hundred sixty thousand and seventy four : \_\_\_\_\_
- (c) Ninety thousand and eleven : \_\_\_\_\_

2 Complete the following :

- (a) 700 thousand and 350 = \_\_\_\_\_ ( In digits )
- (b) The value of 3 in 342 901 is \_\_\_\_\_
- (c) The place value of 7 in 170 423 is \_\_\_\_\_
- (d) The greatest number formed from 6 , 7 , 1 , 3 , 5 , 4 is : \_\_\_\_\_
- (e) If the value of 6 in a number is 600 000 then its place value in this number is \_\_\_\_\_

3 Put ( &lt; , = , &gt; ) :

- (a) 307 005  370 005
- (b) 340 026  340 206
- (c) 717 117  177 117
- (d) 440 404  404 440

لا تنس الاشتراك في  
قنوات ذاكرولي  
على تطبيق الانجرام

4 Arrange the following numbers :

- (a) 542 286 , 542 197 , 542 904 , 542 409

Ascendingly : \_\_\_\_\_

- (b) 540 678 , 140 678 , 640 678 , 440 678

Descendingly : \_\_\_\_\_

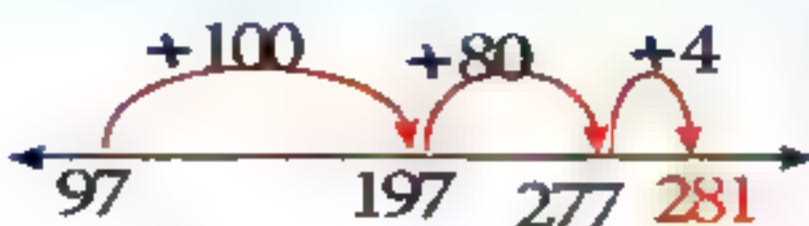
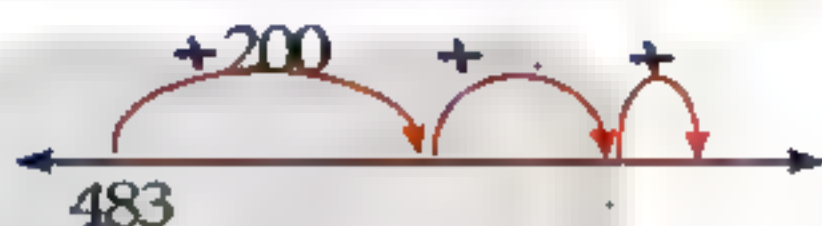
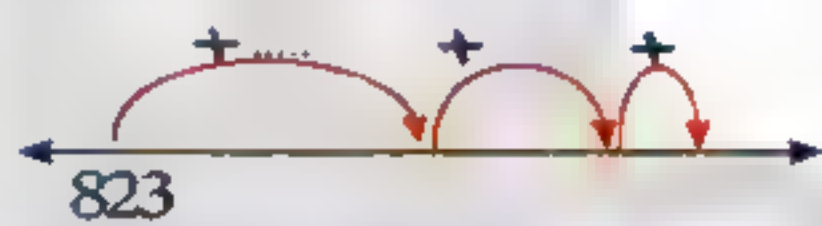
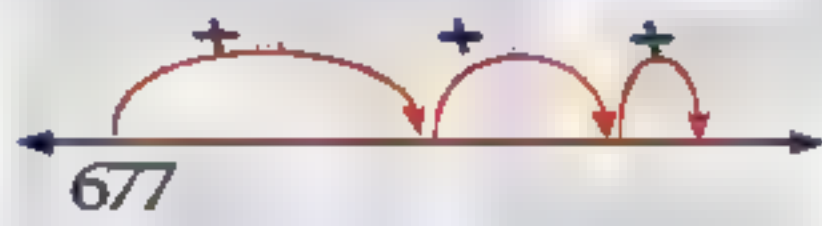
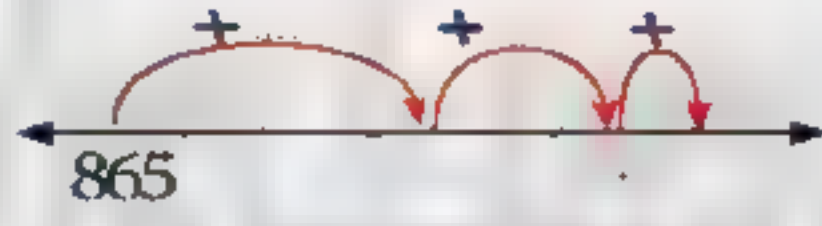


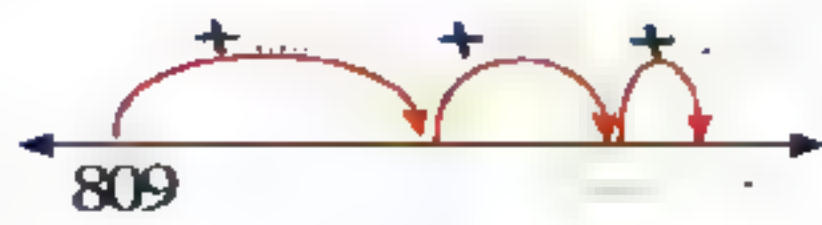
Primary 3 - Term 1



## Chapter 6

5

Use the following strategy to add the following as in (a) :

The problem	The solution	The result
(a) $97 + 184$		281
(b) $483 + 211$		
(c) $823 + 262$		
(d) $677 + 233$		
(e) $865 + 337$		
(f) $234 + 352$		
(g) $742 + 239$		
(h) $809 + 135$		

Bakkar Series



هذا العمل خاص بموقع ذاكرولى التعليمى ولا يسمح بتداوله على مواقع أخرى



## Lesson

( 56 , 57 , 58 )

Strategies application  
On addition and subtraction**First** Estimation using place value strategy ( left digit )**Activity 1** Add then estimate the sum :

First grade 172  
Second grade 358

---

530 Pupils

The estimation = 500 Pupils

Grade	Number
P1	172
P2	358
P3	429
P4	487

**Second** Estimation using round to the nearest 100 :**Activity 2** estimate using round to 100 to find the sum :

Euphrates 2800  
Mississippi 3775

---

6575 Km

Round to the nearest 100 = 6600 Km

River	Length In Km
Nile	6650
Amazon	6400
Mississippi	3775
Euphrates	2800

**Third** Expand form strategy :**Activity 3** Find the result :

$$\begin{aligned}
 \text{(a)} \quad 2124 + 6745 &= (2000 + 100 + 20 + 4) + (6000 + 700 + 40 + 5) \\
 &= (2000 + 6000) + (100 + 700) + (20 + 40) + (4 + 5) \\
 &= 8000 + \dots + \dots + 9 = 8869
 \end{aligned}$$

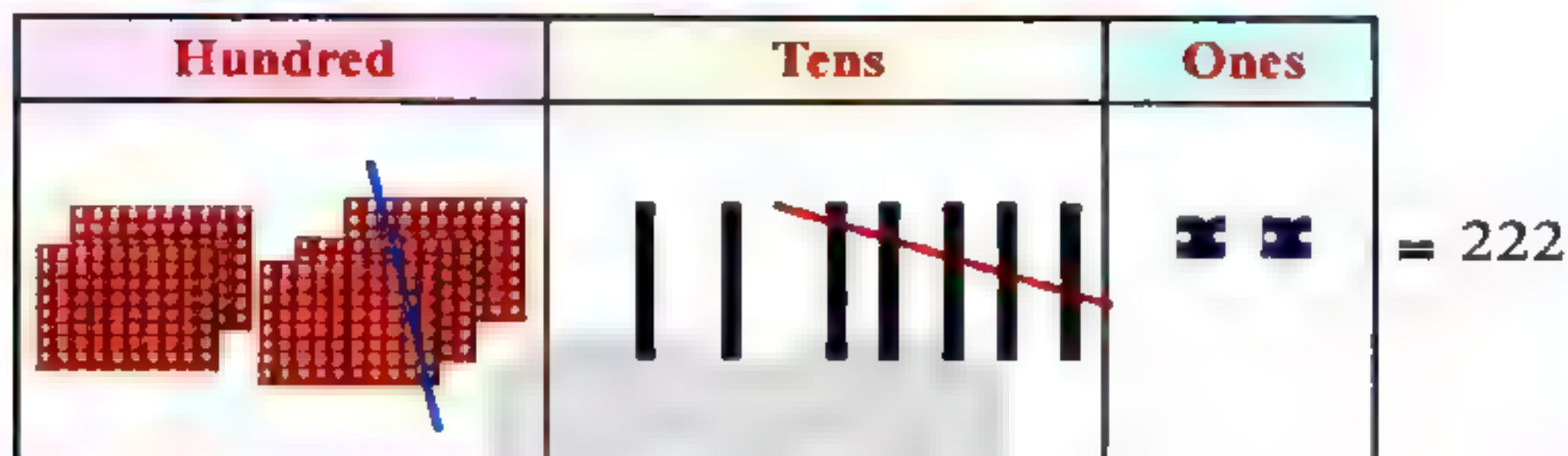
$$\begin{aligned}
 \text{(b)} \quad 6745 - 2124 &= (6000 + 700 + 40 + 5) - (2000 + 100 + 20 + 4) \\
 &= (6000 - 2000) + (700 - 100) + (40 - 20) + (5 - 4) \\
 &= \dots + \dots + \dots + 1 = 4621
 \end{aligned}$$



## Chapter 6

**Fourth** Using drawing the value shapes :

**Activity 4** Find the result of  $572 - 350$  :



**Fifth** Place value cards strategy :

**Activity 5** Find the result :

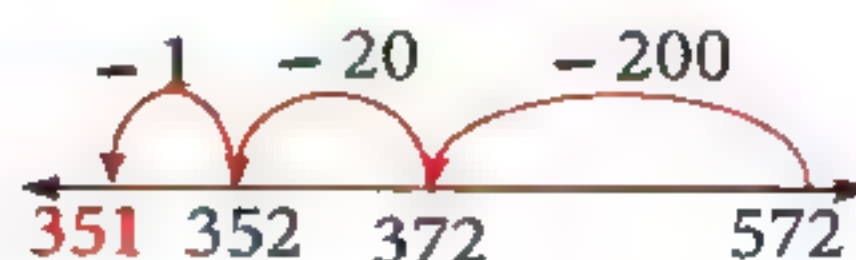
	Thousands	Hundreds	Tens	Ones
	2	5	3	9
+	6	7	7	7
	9	3	1	6

	Thousands	Hundreds	Tens	Ones
	3	6	0	0
-	1	5	7	6
	2	0	2	4

**Sixth** Line plots strategy :

**Activity 6** Find the result of  $572 - 221$  :

Subtract from the big number hundred then tens then ones



**Seventh** Relation between addition and subtractions :

**Activity 7** Find the result of  $780 - 450$  :

$$780 - 450 = 330 \quad \text{because} \quad 330 + 450 = 780$$

**Bakkar Series**





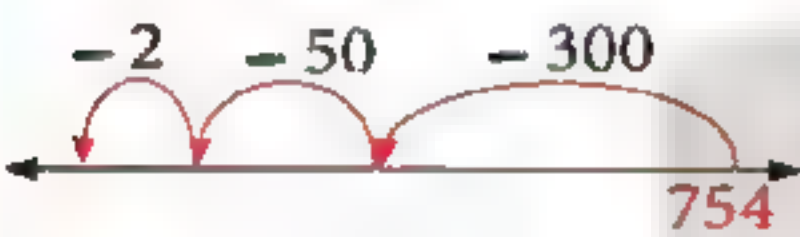
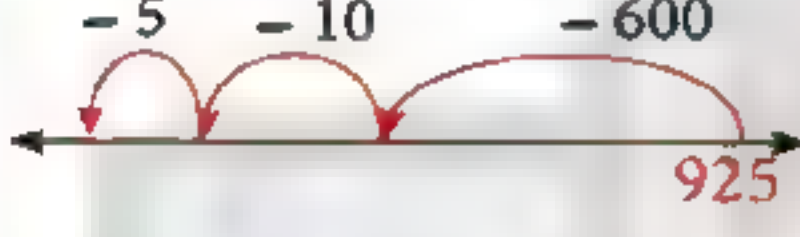
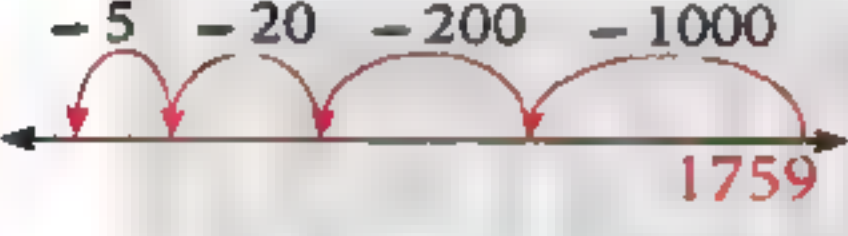


BAKKAR

Strategies and applications

Exercise

Find the result :

## Subtraction

Subtraction		Relation between addition and subtraction												
Using the number line	Using place value cards													
<p>754 - 352</p> 	<table><tr><th>Hundred</th><th>Tens</th><th>Ones</th></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>	Hundred	Tens	Ones							<p>754 - 352 = .....</p> <p>352 + ..... = 754</p>			
Hundred	Tens	Ones												
<p>925 - 615</p> 	<table><tr><th>Hundred</th><th>Tens</th><th>Ones</th></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>	Hundred	Tens	Ones							<p>925 - 615 = .....</p> <p>615 + ..... = 925</p>			
Hundred	Tens	Ones												
<p>1759 - 1225</p> 	<table><tr><th>Thousands</th><th>Hundred</th><th>Tens</th><th>Ones</th></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Thousands	Hundred	Tens	Ones									<p>1759 - 1255 = .....</p> <p>1255 + ..... = 1759</p>
Thousands	Hundred	Tens	Ones											
<p>5548 - 3315</p> 	<table><tr><th>Thousands</th><th>Hundred</th><th>Tens</th><th>Ones</th></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Thousands	Hundred	Tens	Ones									<p>5548 - 3315 = .....</p> <p>3315 + ..... = 5548</p>
Thousands	Hundred	Tens	Ones											
<p>6839 - 3416</p> 	<table><tr><th>Thousands</th><th>Hundred</th><th>Tens</th><th>Ones</th></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Thousands	Hundred	Tens	Ones									<p>6839 - 3416 = .....</p> <p>3416 + ..... = 6839</p>
Thousands	Hundred	Tens	Ones											

Primary 3 - Term 1



## Chapter 6

## Activities from Math Journal

Activity

1

Mr. Mahmoud educates chickens , in a year his chickens have laid 5350 eggs. Last year his chickens laid 2120 eggs. How many eggs did his chickens lay in the two years ago ?

The solution :

Activity

2

Mr. Mahmoud also raises sheep. One day he took 235 sheep out to graze on a hill. Later , his neighbour brought his sheeps to the hill to graze beside hem . Now there are 680 sheep on the hill . How many sheep did the neighbour bring to the hill ?

The solution :

Activity

3

The library can hold 2475 books , but 525 books are out on loan and 137 books are missing. How many books are there in the library right now ?

The solution :

Activity

4

Three boxes filled with books were just delivered to the library. If each box is filled with 215 books. How many books were delivered ?

The solution :

Bakkar Series

201



## Self - check on lesson ( 56 , 57 , 58 )

1 Add ( Using the same strategy ) :

$$\begin{array}{r} \text{a} \quad 5087 \\ + 6076 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b} \quad 3289 \\ + 2787 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c} \quad 7878 \\ + 8787 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d} \quad 5555 \\ + 6666 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e} \quad 16284 \\ + 20543 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f} \quad 34396 \\ + 44444 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g} \quad 12649 \\ + 38700 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h} \quad 14758 \\ + 15278 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i} \quad 9201 \\ + 5499 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j} \quad 9832 \\ + 7873 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k} \quad 6005 \\ + 3299 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l} \quad 94270 \\ + 4078 \\ \hline \end{array}$$

2 Subtract ( Using the same strategy ) :

$$\begin{array}{r} \text{a} \quad 5975 \\ - 2403 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b} \quad 6845 \\ - 1835 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c} \quad 9895 \\ - 5775 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d} \quad 5555 \\ - 3333 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e} \quad 9979 \\ - 8909 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f} \quad 4321 \\ - 3121 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g} \quad 8507 \\ - 1505 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h} \quad 8459 \\ - 4444 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i} \quad 7806 \\ - 1805 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j} \quad 9650 \\ - 7000 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k} \quad 4203 \\ - 1203 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l} \quad 8096 \\ - 8053 \\ \hline \end{array}$$



## Chapter 6

## Activities from Math Journal

- 3 The librarian takes some of the new books out of the boxes that have 1000 books. Now there are only 510 books in the boxes. How many books did the librarian take out of the boxes ?

The solution :

- 4 Amir's family is saving to buy a new TV. The TV costs LE 4590 on sale. They have saved LE 2410 so far. How much more money do they need before they can buy the TV ?

The solution :

- 5 Omar just moved to the city. He found an apartment to rent for LE 3340 per month. Electricity and gas will cost him LE 692 per month. How much money will it cost him each month to live ?

The solution :

- 6 If Samar hand LE 5000 to spend each month, how much money does she have left after she pays LE 3500 for rent, electricity and gas ?

The solution :

Bakkar Series





## Lesson

( 59 , 60 )

Liquid volume (Capacity)  
Units for measuring liquid volume

## Activity 1 Important discussion:

Teacher : One of the types of tools used to measure height

Pupils : rulers

Teacher : One of the types of units of length measurement

Pupils : meters, cm, mm .

$$\text{Meter} = 100 \text{ cm} , \text{cm} = 10 \text{ mm}$$

Teacher : One of the types of tools used to measure time

Pupils : The hour with hands

Teacher : One of the types of units used to know the time

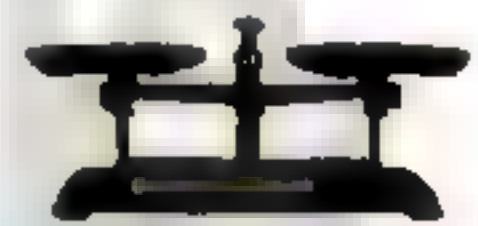
Pupils : the hour - the minute . Hour = 60 minutes

Teacher : One of the types of tools used in measuring weight

Pupils : Scales

Teacher : One of the types of units used to know weight  
or mass

Pupils : kilogram - grams . The kilogram = 1000 grams

Teacher : Today we are introducing a new measure that we use in our lives  
which is capacityHow do you measure the amount of liquids that can be placed in  
a container?**Capacity** Is a measure of the amount of liquid that can be placed in  
a container .Units of capacitance litres (l), millilitre (ml)

## Activity 2 Things in our life with capacity per litre (L):



30 litre



5 litre



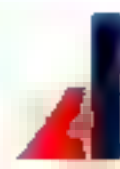
2 litre



1 litre

Primary 3 - Term 1





## Chapter 6

**Activity 3** Things in our life its capacity are measured in millilitres (ml):



100 ml



250 ml

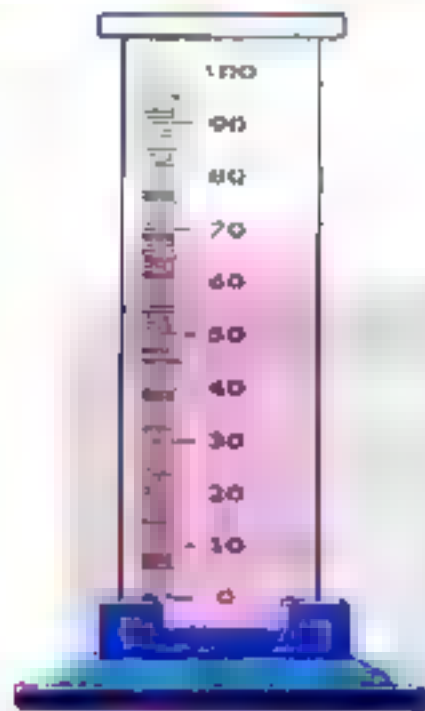


125 ml

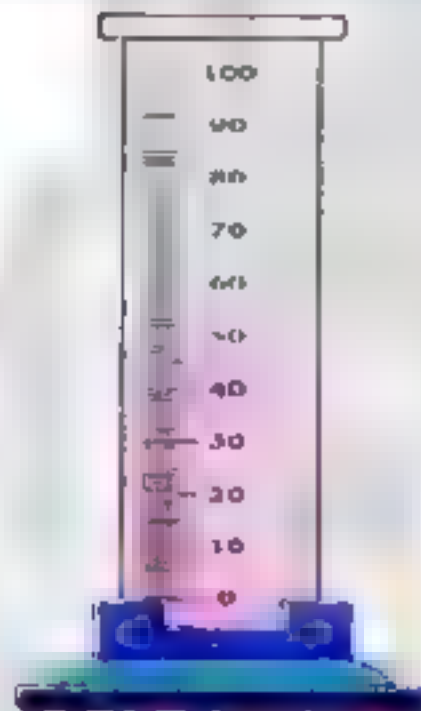


5 ml

**Activity 4** Measurement instruments in millilitres :



70 ml



50 ml



80 ml



100 ml

1 Litre = 1000 millilitres

**Exercise**



For each photo, choose the suitable unit of measure for the capacity of the following :



L , ml



L , ml



L , ml



L , ml




Bakkar Series





## Self - check on lesson (59 , 60 )

1 Choose the suitable unit of measurement :

- (a) The weight of  ( kg , km , L )
- (b) The perimeter of  ( gm , ml , cm )
- (c) The capacity of  ( L , kg , km )
- (d) The distance between two cities ( kg , km , ml )
- (e) From the time units ( minute , cm , L )

2 Arrange the following volumes :

- (a) 7 L , 20 L , 10 L , 5 L

Ascendingly : , , ,

- (b) 10 ml , 15 ml , 17 ml , 30 ml

Descendingly : , , ,

(c)



A



B



C



D

Ascendingly : C , , ,

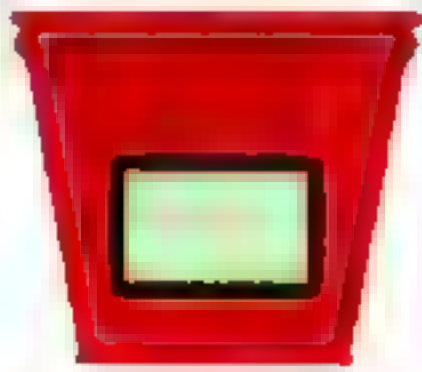
Primary 3 - Term 1



## Chapter 6

3

Choose the suitable measurement unit:



L , ml



L , ml



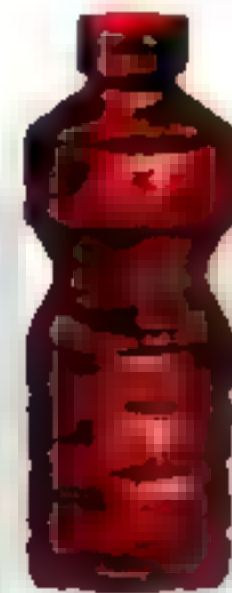
L , ml



L , ml



L , ml



L , ml

4

Choose the suitable measurement unit:

- (a) The amount of water that a person drinks in one day ( 10 L , 2 L , 30 ml )
- (b) Capacity of water tank on the building ( 500 L , 7 L , 300 ml )
- (c) Tank of a car with capacity ( 30 ml , 40 L , 500 ml )
- (d) Small mineral water bottle capacity ( 10 L , 1 L , half ml )
- (e) The capacity of the coffee cup can be equal ( 100 L , 1 L , 100 ml )
- (f) The capacity of a cup of milk can be equal ( 200 L , 200 ml , 10 ml )

Bakkar Series

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## Self - check 1 Chapters 6

1 Find the result :

$$\begin{array}{r} \text{a} \\ 44444 \\ + 20543 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b} \\ 66571 \\ + 3084 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c} \\ 7835 \\ - 4313 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d} \\ 35896 \\ - 21543 \\ \hline \end{array}$$

2 Join the cards has the same number :

$$80 + 190$$

$$9 \times 30$$

$$450$$

$$(10 \times 5) \times 9$$

$$9 \times 50$$

$$270$$

3 Shadia has raised chickens on her farm she got 6375 eggs for the last two years , 3125 eggs were just the last year . How many eggs she get in this year ?

The solution :

4 Choose the suitable unit for measure the capacity of :



L , ml



L , ml



L , ml



## Self - check 2 Chapters 1,2,3,4,5,6

1 Find the result :

$$\begin{array}{r} \text{a} \\ 56217 \\ + 20543 \\ \hline \end{array}$$

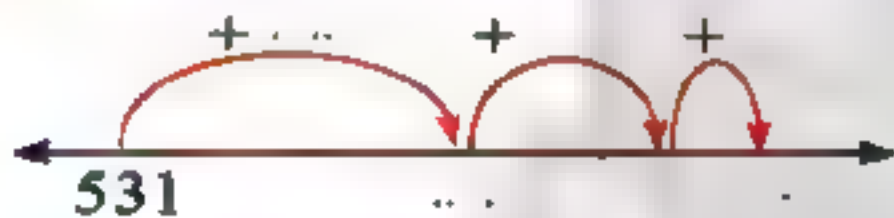
$$\begin{array}{r} \text{b} \\ 34396 \\ + 34396 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c} \\ 98130 \\ - 3121 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d} \\ 6034 \\ - 1262 \\ \hline \end{array}$$

2 Using the number line strategy to find the result :

$$\text{a} \quad 531 + 345$$



$$\text{b} \quad 9867 - 3452$$



3 Complete :

$$\text{a} \quad 7 \times 60 = 7 \times 6 \times \quad =$$

$$\text{b} \quad 916543 \quad \square \quad 91600$$

c The smallest number formed from numbers 5, 4, 7, 9, 1, 6 is

d The amount of milk a child drinks in one day is measured with

e A building water tank capacity of 500

4 It is well known that each car has 4 wheels .  
How many wheels are in 30 cars ?

The solution :

For more exercises follow the Bakkar Self- check page (210)

Bakkar Series

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## Bakkar assessments on the curriculum

لا تفسد الاشياء في  
قلوات ذاكرولي  
على طريق الاجرام



تابع جديد ذاكرولي على  
فيسبوك  
تويتر  
والس اب  
تيجرام

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى



## Self - check

## Bakkar Self - check 1

1 Complete the following :

a  $0 \times 7 =$

b  $40 \div 5 =$

c  $8 \times 6 =$

d  $24 \div 3 =$  .....

e  $6 \times 1 =$  .....

f  $18 \div 2 =$  .....

g  $32 \div = 4$

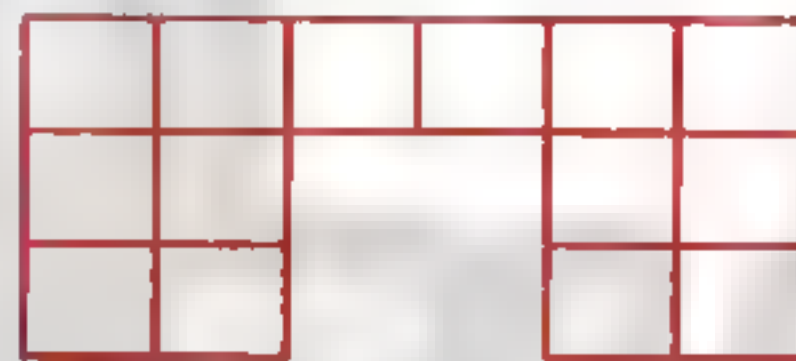
h  $\div 7 = 7$

i  $9 \times = 72$

2 Find the area of the following figure :



The area = .....



The area =

3 Choose the correct answer :

a The greatest number formed from the digits 1 5 2 9 is ....  
( 1 5 9 2 , 9 5 2 1 , 1 2 5 9 )

b From the factors of 15 is 1 , ..... , 5 ( 3 , 10 , 2 )  
 $8 \times 13 = ( 8 \times 8 ) + ( 8 \times \dots )$  ( 10 , 5 , 3 )

d From the units for measuring time is ... ( gm , minute , cm )

e 3 meter = ..... cm ( 30 , 3 , 300 )

4 Put (✓) inside each polygons :



Bakkar Series

211



BAKKAR

Skill part

## Bakkar Self check

2

1 Complete the following :

a  $63 \div 9 =$

b  $4 \times 6 =$

c  $25 \div 5 =$

d  $9 \times 3 =$

e  $6 \div \dots = 1$

f  $0 \times 2 =$

g  $7 \div 1 =$

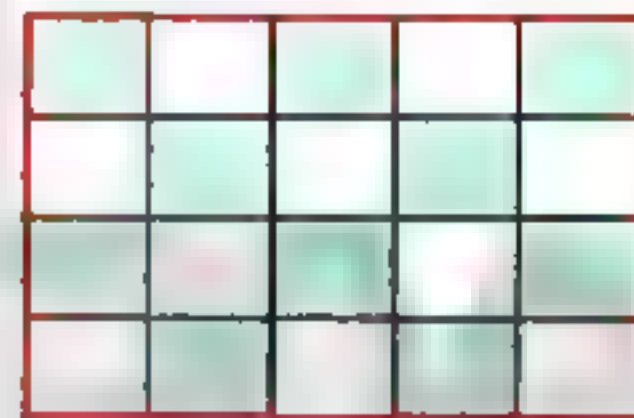
h  $5 \times \dots = 20$

i  $\dots \div 8 = 1$

2 Answer the following :

The perimeter =  $\dots + \dots + \dots + \dots$   
 =  $\dots$  units

The area =  $\dots \times \dots$   
 =  $\dots$  square units



3 Choose the correct answer :

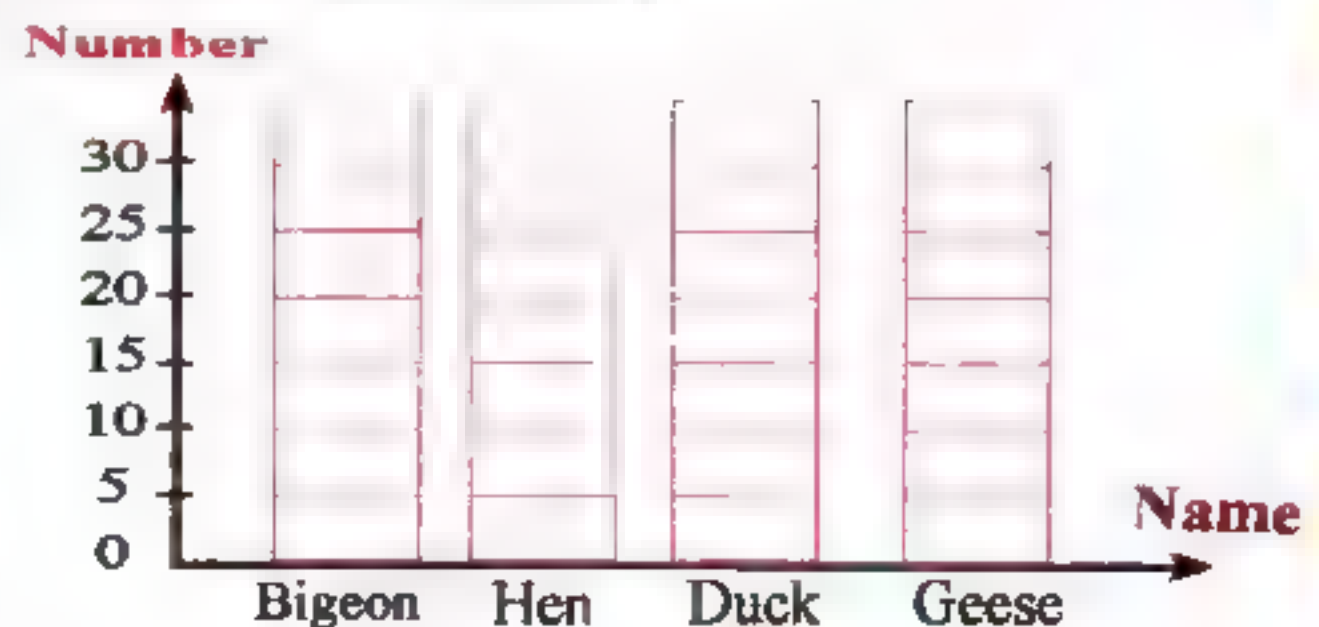
a The place value of 9 in 29531 is ..... (ones , hundred , thousand )

b 37 thousands and five hundred = ..... ( 7350 , 3750 , 37500 )

c  $\diagup \diagup \diagup \diagup \diagup \diagup \diagup \diagup \diagup \diagup$  (  $\diagup \diagup \diagup \diagup$  ,  $\diagup \diagup \diagup \diagup \diagup \diagup$  ,  $\diagup \diagup \diagup \diagup \diagup \diagup \diagup \diagup$  )

4 From the table complete the bar graph :

Name	Number
Bigeon	$\diagup \diagup \diagup \diagup \diagup \diagup \diagup \diagup \diagup \diagup$
Hen	$\diagup \diagup \diagup \diagup \diagup \diagup \diagup \diagup \diagup \diagup$
Duck	$\diagup \diagup \diagup \diagup \diagup \diagup$
Geese	$\diagup \diagup \diagup \diagup \diagup \diagup \diagup \diagup \diagup \diagup$



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Primary (3) - Term 1



## Self - check

## Bakkar Self - check 3

1 Complete the following :

a  $4 \times 7 =$

b  $36 \div 9 =$

c  $7 \times 1 =$

d  $27 \div 3 =$

e  $6 \times 6 =$

f  $48 \div 8 =$

g  $9 \times \dots = 63$

h  $45 \div \dots = 5$

i  $\dots \times 5 = 35$

2 A farmer builds a fence around his garden. If the length of the garden is 8 meters And its width is 3 meters .  
How long is the fence that needs to be bought?

The solution :

3 Choose the correct answer :

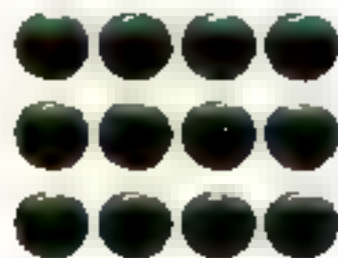
a Steel nail thickness  measure with ..... ( mm , cm , m )

b The place value of 4 in 21540 is ... ( tens , hundred , thousand )

c 1500  1050 ( > , = , < )d The smallest number can be formed from 3,4,9,5,6 is .. ....  
( 34569 , 96543 , 9 )

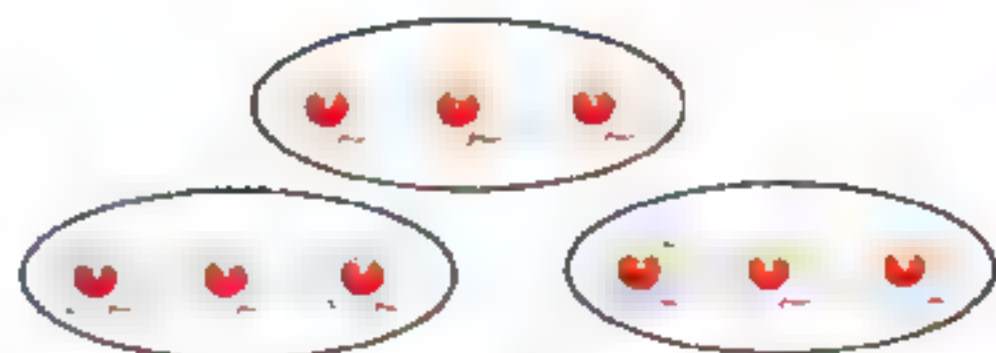
e ..... is multiples of 5 . ( 15 , 13 , 3 )

4 Complete the following :



Number of rows .....

Addition equation .....

The multiplication ...  $\times$  ... = ...

Number of sets .....

Addition equation .....

The multiplication ...  $\times$  ... = ..

Bakkar Series

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BAKKAR

Skill part

## Bakkar Self-check

4

1 Complete the following :

- (a)  $64 \div 8 = \dots\dots\dots$  (b)  $30 \times 7 = \dots\dots\dots$  (c)  $42 \div 6 = \dots\dots\dots$   
 (d)  $0 \times 3 = \dots\dots\dots$  (e)  $8 \div 8 = \dots\dots\dots$  (f)  $9 \times 2 = \dots\dots\dots$   
 (g)  $36 \div \dots\dots = 4$  (h)  $\dots\dots \times 1 = 1$  (i)  $15 \div \dots\dots = 5$

2 Find the result :

(a) 
$$\begin{array}{r} 7800 \\ + 2222 \\ \hline \end{array}$$

(b) 
$$\begin{array}{r} 68745 \\ + 10543 \\ \hline \end{array}$$

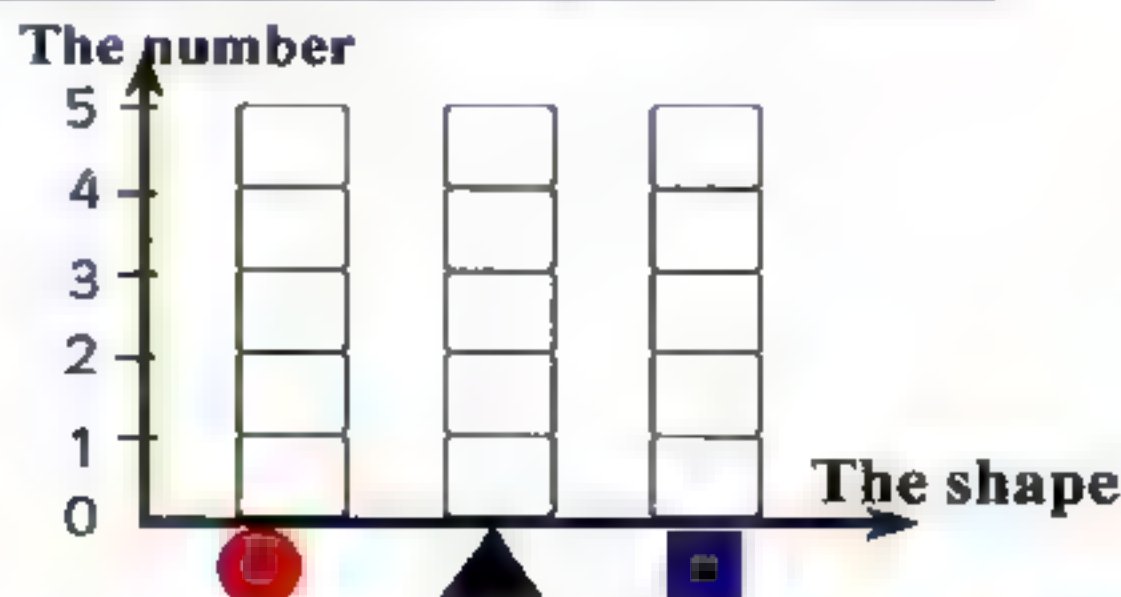
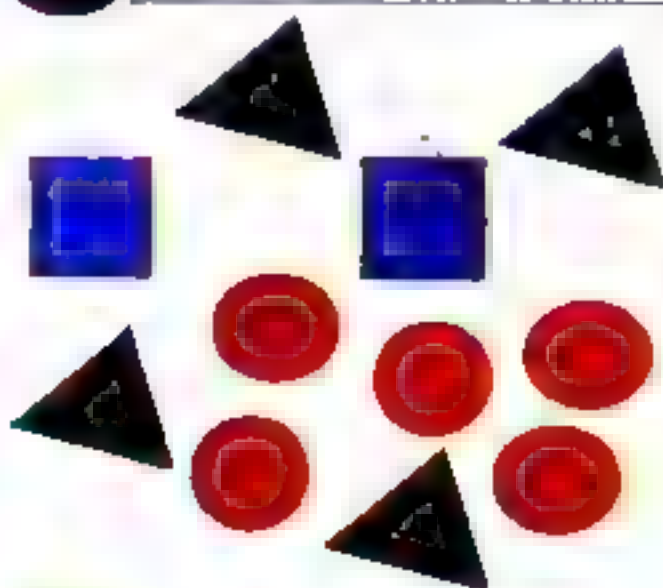
(c) 
$$\begin{array}{r} 7835 \\ - 2403 \\ \hline \end{array}$$

(d) 
$$\begin{array}{r} 5975 \\ - 1805 \\ \hline \end{array}$$

3 Choose the correct answer :

- (a)  $90 \text{ mm} = \dots\dots\dots \text{ cm}$  ( 9 , 90 , 900 )  
 (b) The greatest number formed from the digits 4,8,2,6 is .....  
 ( 2468 , 2846 , 8642 )  
 (c)  $7 + 7 + 7 + 7 = \dots\dots \times \dots\dots$  (  $4 \times 7$  ,  $7 \times 7$  ,  $5 \times 7$  )  
 (d) 10 , 40 , 70 , ..... ( 10 , 100 , 30 )  
 (e) 1 hour = ..... minutes ( 50 , 100 , 60 )

4 From the shapes complete the bar graph :



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Primary 3 - Term 1



## Self - check

## Bakkar Self - check

5

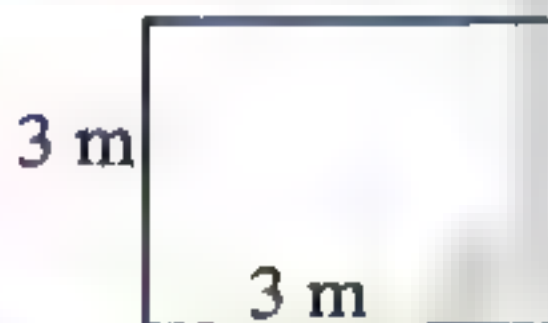
1 Complete the following :

a  $8 \times 7 = \dots$  b  $49 \div 7 = \dots$  c  $0 \times 1 = \dots$

d  $24 \div 8 = \dots$  e  $2 \times 2 = \dots$  f  $11 \div 1 = \dots$

g  $\times 9 = 45$  h  $30 \div \dots = 3$  i  $\dots \times 5 = 20$

2 Find the area of the following :



The area = .....



The area = ....

3 Choose the correct answer :

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a From the factors of 9 is 1 , 3 and ..... ( 7 , 8 , 9 )

b Three hens has ..... legs . (  $4 \times 3$  ,  $3 \times 3$  ,  $2 \times 3$  )

c \* \_ \*\* \_ \_ ..... ( \*\*\* \_ \_ , \*\* \_ \_ \_ , \*\*\* \_ \_ \_ )

d The time shown in  is ..... ( 2 : 00 , 2 : 05 , 5 : 02 )

4 Find the result :

a

$$\begin{array}{r} 16384 \\ + 23543 \\ \hline \end{array}$$

.....

b

$$\begin{array}{r} 7808 \\ + 4987 \\ \hline \end{array}$$

.....

c

$$\begin{array}{r} 8507 \\ - 1505 \\ \hline \end{array}$$

.....

d

$$\begin{array}{r} 7506 \\ - 1908 \\ \hline \end{array}$$

.....

Bakkar Series

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BAKKAR

Skill part

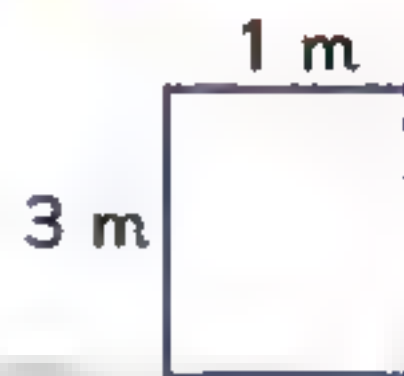
## Bakkar Self check

6


1 Complete the following :

- (a)  $10 \times 3 = \dots\dots$  (b)  $16 \div 2 = \dots\dots$  (c)  $1 \times 9 = \dots\dots$   
 (d)  $24 \div 4 = \dots\dots$  (e)  $0 \times 6 = \dots\dots$  (f)  $18 \div 3 = \dots\dots$   
 (g)  $\dots \times 8 = 72$  (h)  $21 \div \dots = 7$  (i)  $\dots \times 5 = 40$





2 Find the perimeter of each figure :

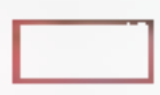



The perimeter =  $\dots\dots\dots$  unitsThe perimeter =  $\dots\dots\dots$  m

3 Choose the correct answer :

- (a) The length of  ( 9 mm , 9 cm , 9 m )  
 (b) The place value of 2 in 26541 is (ones , tens , ten thousands)  
 (c)  $7 \times 9 = (7 \times 5) + (7 \times \dots)$  ( 2 , 4 , 6 )

4 From the table complete the pictograph :

Name	Number
Shark	
Puri	
Tuna	
Mussa fish	

Shark	
Puri	 
Tuna	
Mussa fish	 

Key

 = 1 fish ,  = 2 fish



## Self - check

## Bakkar Self check 7

1 Complete the following :

- (a)  $63 \div 9 =$  (b)  $0 \times 2 =$  (c)  $48 \div 6 =$   
 (d)  $11 \times 3 =$  (e)  $6 \div 6 =$  (f)  $3 \times 2 =$   
 (g)  $32 \div \dots = 4$  (h)  $\dots \times 7 = 14$  (i)  $\dots \div 5 = 5$

2 A carpet is 5 meters long and 4 meters wide .  
 What is the area of this carpet ?

The solution :

3 Choose the correct answer :

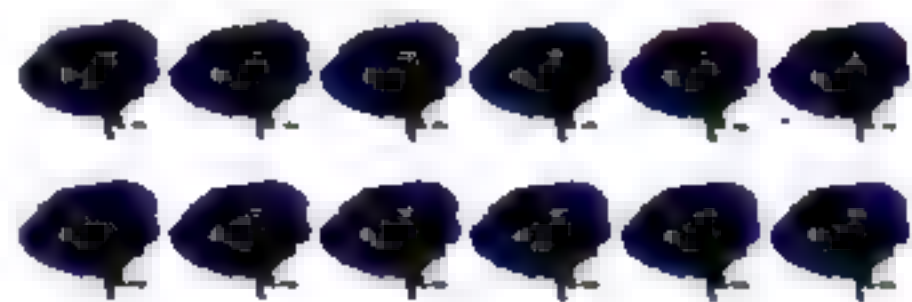
- (a) The greatest number formed from the digits 1, 5, 9, 2 is .....  
 ( 1592 , 9521 , 1259 )  
 (b)  $9 \times 40 =$  ..... ( 360 , 306 , 2 )  
 (c) 75 thousand , and ten in digit is ..... ( 1750 , 75010 , 75100 )  
 (d)  $3 \times 40 = 3 \times 4 \times$  ..... ( 12 , 1 , 10 )  
 (e) From the units for measuring capacity ..... ( litre , cm , mm )

4 Complete the following :



Number of columns .....

Addition equation.....

The multiplication .....  $\times$  ..... = .....

Number of rows .....

Addition equation.....

The multiplication .....  $\times$  ..... = .....

Bakkar Series

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BAKKAR

Skill part

## Bakkar Self-check

8

1 Complete the following :

a  $40 \div 4 = \dots\dots\dots$

b  $12 \times 2 = \dots\dots\dots$

c  $30 \div 6 = \dots\dots\dots$

d  $1 \times 3 = \dots\dots\dots$

e  $6 \div 6 = \dots\dots\dots$

f  $11 \times 9 = \dots\dots\dots$

g  $\div 8 = 3$

h  $0 \times \dots = 0$

i  $\div 7 = 4$

2 Complete :

The perimeter =  $\dots\dots + \dots\dots + \dots\dots + \dots\dots$   
 $= \dots\dots$  units

The area =  $\dots\dots \times \dots\dots$   
 $= \dots\dots$  square units



3 Choose the correct answer :

a  $6 \text{ m} = \dots\dots\dots \text{ cm}$  ( 6 , 60 , 600 )

b  $5 + 5 + 5 + 5 + 5 + 5 = \dots \times \dots$  (  $5 \times 5$  ,  $5 \times 7$  ,  $5 \times 6$  )

c 4512  $\dots\dots$  45012 (  $>$  ,  $=$  ,  $<$  )

d Half an hour =  $\dots\dots\dots$  minutes ( 60 , 100 , 30 )

e From the factors of 14 is  $\dots\dots$  ( 28 , 7 , 30 )

4 Find the result :

Thousand	Hundred	Tens	Ones
2	2	1	9
6	7	7	7

Thousand	Hundred	Tens	Ones
9	7	0	0
4	5	7	6

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Primary 3 - Term 1



## Self - check

## Bakkar Self - check 9

1 Complete the following :

(a)  $0 \times 7 = \dots\dots\dots$

(b)  $35 \div 5 = \dots\dots\dots$

(c)  $1 \times 9 = \dots\dots\dots$

(d)  $27 \div 9 = \dots\dots\dots$

(e)  $10 \times 6 = \dots\dots\dots$

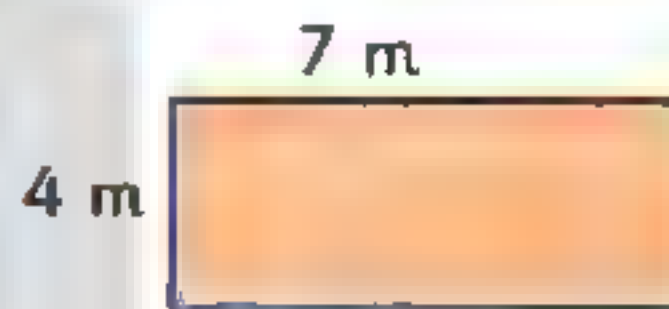
(f)  $18 \div 9 = \dots\dots\dots$

(g)  $8 \times \dots\dots = 16$

(h)  $\dots\dots \div 3 = 11$

(i)  $\dots\dots \times 5 = 5$

2 Find the area :

The area =  $\dots\dots\dots$ The area =  $\dots\dots\dots$ 

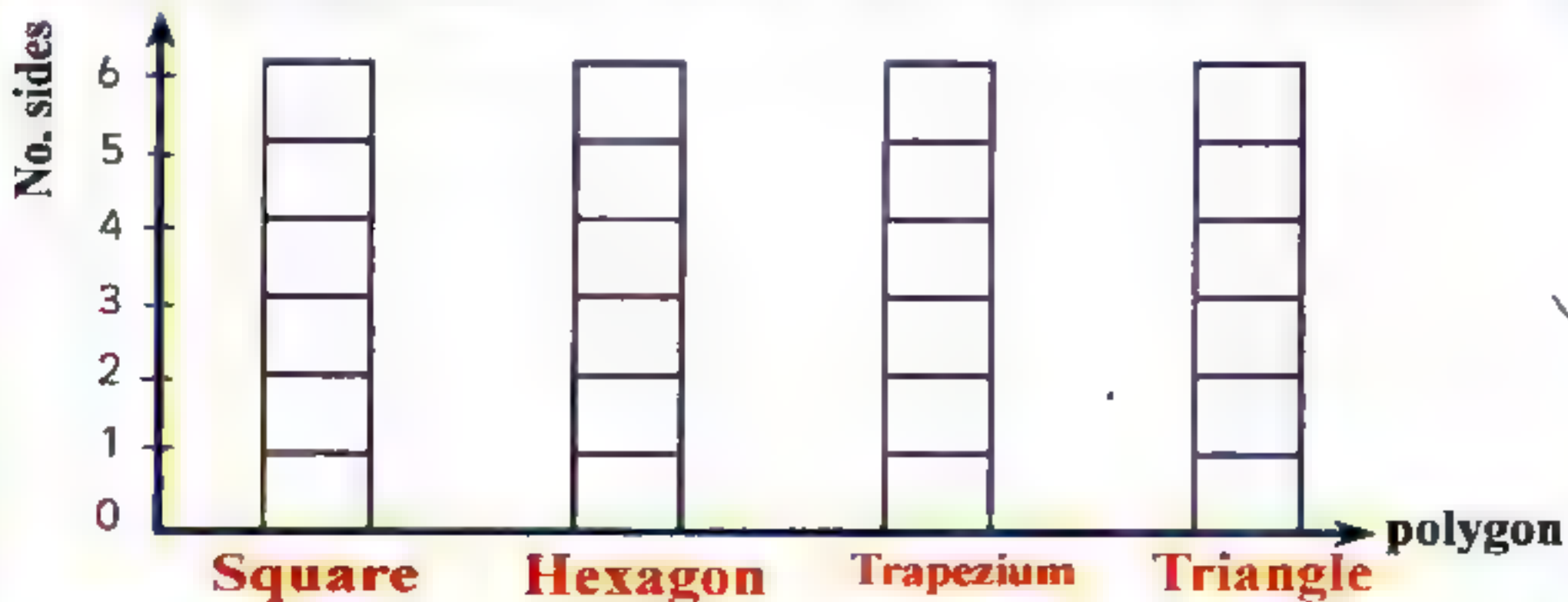
3 Choose the correct answer :

(a) The place value of 5 in 86513 is (ones , hundred , thousand)

(b) The height of the building in which I live is measured by (mm , cm , m)

(c) 1 Litre = ml (10 , 100 , 1000)

4 Colour the bar graph according to the number of sides of each polygon :



Bakkar Series

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BAKKAR

Skill part

## Bakkar Self-check 10

1 Complete the following :

- (a)  $12 \div 6 = \dots$  (b)  $10 \times 5 = \dots$  (c)  $36 \div 4 = \dots$   
 (d)  $24 \div 3 = \dots$  (e)  $7 \times 8 = \dots$  (f)  $7 \times 4 = \dots$   
 (g)  $\dots \div 1 = 12$  (h)  $22 \div 2 = \dots$  (i)  $\dots \times 0 = 0$

2 Shade two rectangle with perimeter 8 units and with different area then find the area:




The area = .....



The area = .....

3 Choose the correct answer :

- (a) 99 thousands , nine hundred = ... ( 75100 , 7510 , 99900 )  
 (b) The greatest number formed from the digits 1 , 2 , 8 , 0 is .....  
 ( 8210 , 2810 , 8210 )  
 (c) Number of days in 5 weeks = ... ( 5x5 , 5x7 , 6x7 )  
 (d)  $350 \times 100 = \dots$  ( 350 , 250 , 35000 )  
 (e) The time shown in  is ... ( 1 : 00 , 2 : 10 , 1 : 40 )

4 Arrange the following :

- (a) 8157 , 9587 , 9751 , 9718 , 8000  
Ascendingly :  
 (b) 30005 , 50300 , 35000 , 50000 , 55555  
Descendingly : .....

220

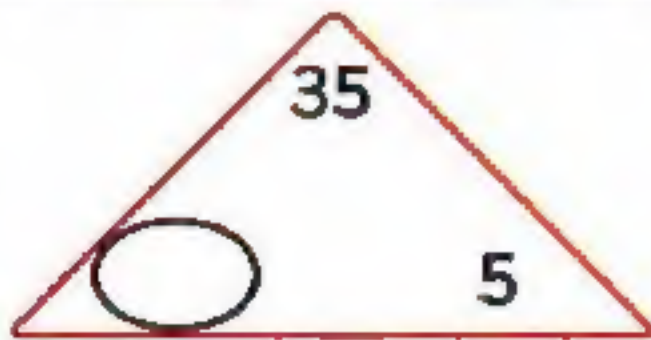
Primary 3 - Term 1



## Self - check

## Bakkar Self - check 11

1 Complete the following :



.....  $\times$  ..... = 35

.....  $\times$  ..... = .....

35  $\div$  ..... = .....

35  $\div$  ..... = .....

2 **Ziad** wants to grow the cotton plant, and a single cotton plant needs a unit area . He wants to make the field of 5 rows , and in each row 4 units .  
How many cotton plants can be grown in **Ziad** Garden ?

The solution :

3 Choose the correct answer :

a  $120 \times 7 =$  ..... ( 480 , 840 , 804 )

b From the factors of 8 is 1 , 2 , ..... and 8 ( 7 , 6 , 4 )

c 66321 ( ) 663210 ( &gt; , = , &lt; )

d Quarter of an hour = ..... minutes ( 15 , 30 , 60 )

e  $1 = 111$  ..... ( 111 , 11 , 1111 )

4 Find the result :

a 
$$\begin{array}{r} 5087 \\ + 6076 \\ \hline \end{array}$$

b 
$$\begin{array}{r} 14758 \\ + 15278 \\ \hline \end{array}$$

c 
$$\begin{array}{r} 5555 \\ - 3333 \\ \hline \end{array}$$

d 
$$\begin{array}{r} 4203 \\ - 1203 \\ \hline \end{array}$$

Bakkar Series

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BAKKAR

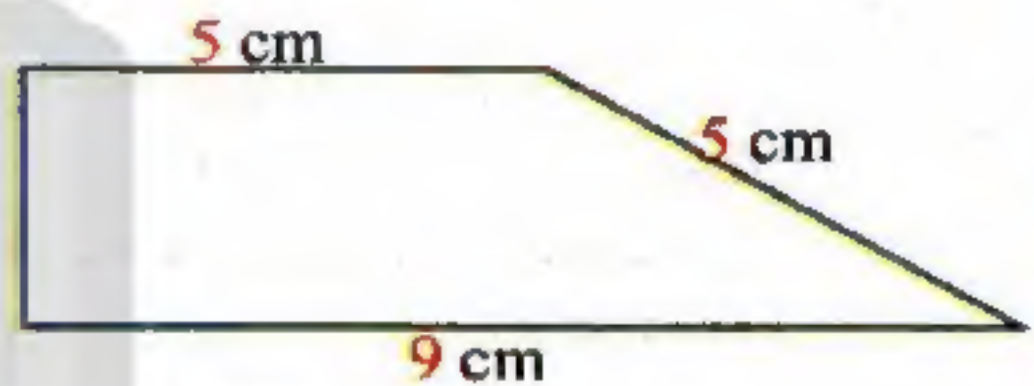
Skill part

## Bakkar Self - check 12

1 Complete the following :

- a  $0 \times 10 = \dots\dots\dots$       b  $77 \div 7 = \dots\dots\dots$       c  $1 \times 7 = \dots\dots\dots$   
 d  $8 \times 3 = \dots\dots\dots$       e  $6 + 6 = \dots\dots\dots$       f  $18 - 2 = \dots\dots\dots$   
 g  $\dots\dots - 8 = 4$       h  $1 \times 7 = \dots\dots\dots$       i  $15 \div \dots\dots = 5$

2 Find perimeter of the figure :

The Perimeter =  $\dots\dots\dots$  cm

3 Choose the correct answer :

- a  $5 \text{ cm} = \dots\dots\dots \text{ mm}$  ( 5 , 50 , 500 )  
 b The place value of 5 in 86513 is... ( tens , hundred , thousand )  
 c The capacity of a cup of milk can be equal  $\dots\dots\dots$  ( 200 liter , 200ml , 10 liter )

4 Complete the representation of the number of potatoes meal in the bags on the line plot representation chart with the sign X:

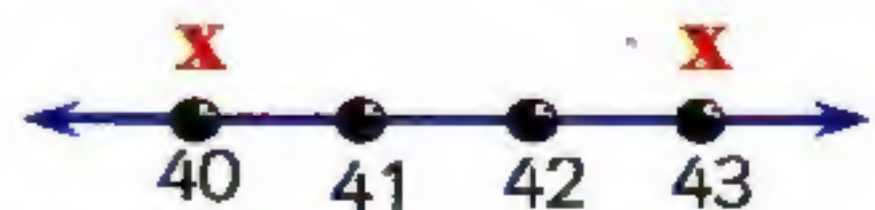


- Complete

The number of bags containing 43 potatoes

=  $\dots\dots\dots$ 

One meal = X



Primary 3 - Term 1



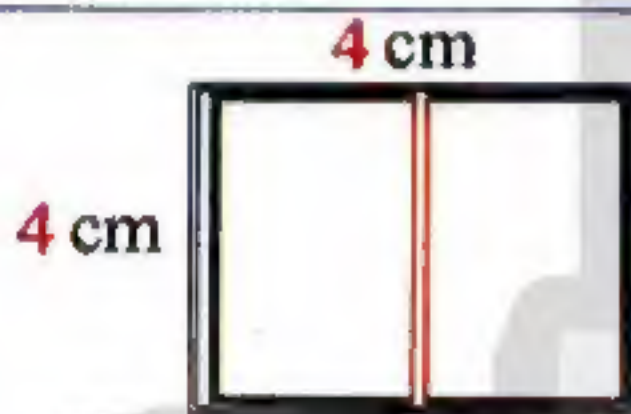
## Self - check

## Bakkar Self - check 13

1 Complete the following :

- (a)  $24 - 2 = \dots\dots\dots$ 
 (b)  $45 \div 5 = \dots\dots\dots$ 
 (c)  $10 \times 3 = \dots\dots\dots$   
 (d)  $24 + 3 = \dots\dots\dots$ 
 (e)  $18 + 6 = \dots\dots\dots$ 
 (f)  $16 \div 4 = \dots\dots\dots$   
 (g)  $24 \times 1 = \dots\dots\dots$ 
 (h)  $0 \times 125 = \dots\dots\dots$ 
 (i)  $10 - \dots\dots = 2$

2 Find the area of the following :

The area =  $\dots\dots\dots$ The area =  $\dots\dots\dots$ 

3 Choose the correct answer :

- (a) The smallest number can be formed from 6,5,8,7 is  $\dots\dots\dots$   
 ( 8765 , 5678 , 8567 )  
 (b)  $200 \text{ cm} = \dots\dots\dots \text{ m}$  ( 2 , 20 , 200 )  
 (c) 51 thousand and one =  $\dots\dots\dots$  ( 5101 , 15001 , 51001 )  
 (d)  $50 \times 70 = 5 \times 7 \times \dots\dots\dots$  ( 35 , 10 , 100 )

4 Write the time as shown:

 $\dots\dots\dots$  $\dots\dots\dots$  $\dots\dots\dots$ 

Bakkar Series

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BAKKAR

Skill part

## Bakkar Self - check

14

1 Find the result :

$$\begin{array}{r} \text{a} \\ 6005 \\ + 3299 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b} \\ 3289 \\ + 2787 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c} \\ 4321 \\ - 3121 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d} \\ 9895 \\ - 5775 \\ \hline \end{array}$$

2 Complete the following :

$$5 \times 6 = \dots$$

$$\dots \div 5 = 6$$

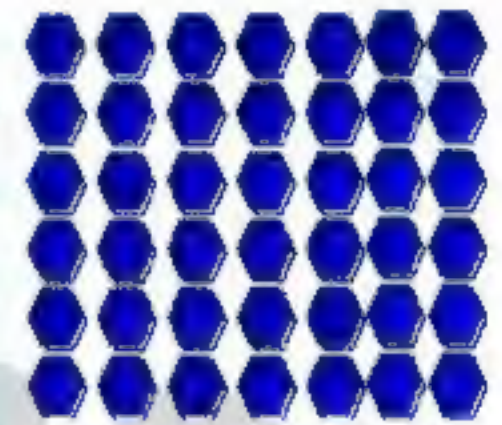
$$30 \div 6 = \dots$$

$$6 \times \dots = \dots$$

$$\dots \times \dots = 42$$

$$42 \div 6 = \dots$$

$$42 \div \dots = 6$$



3 Choose the correct answer :

a The place value of 3 in 3158 is ..... ( ones , hundred , thousand )

b Half of an hour = ..... minutes ( 5 , 30 , 15 )

c  $6 \times 13 = (6 \times 6) + (6 \times \dots)$  ( 9 , 8 , 7 )

d  $45 \div (3 \times 3) = \dots$  ( 9 , 5 , 7 )

e 9 ( ..... )  $28 \div 7$  ( > , = , < )

4 Write the factors of the following numbers :

10

x

x

Factors of 10 : .....

12

x

x

x

Factors of 12 : .....